

AD A150 379 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
NEW ORLEANS LOUISIANA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
NEW ORLEANS LOUISIANA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

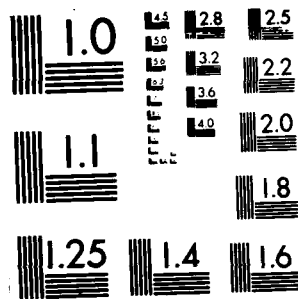
114

UNCLASSIFIED F/G 4/2

F/G 4/2

NL

[illegible]



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

II

LEVEL

1

INVENTORY

AD-A150 379

DTIC ACQUISITION

SMOS - New Orleans, La

DOCUMENT IDENTIFICATION

Sep 19 84

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR

NTIS GRA&I ☒

DTIC TAB ☐

UNANNOUNCED ☐

JUSTIFICATION

BY

DISTRIBUTION /

AVAILABILITY CODES

DIST

AVAIL AND/OR SPECIAL

A-1

DISTRIBUTION STAMP

DTIC
ELECTE
FEB 14 1985
S D D

DATE ACCESSIONED

DATE RETURNED

85 02 12 128

DATE RECEIVED IN DTIC

REGISTERED OR CERTIFIED NO.

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDAC

AD-A150 379

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) New Orleans, LA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE September 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

DD FORM 1473
1 JAN 73EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, Local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. (NEWBURY)	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WPC NUMBER
11958	New Orleans, Louisiana	29°50'N	90°01'W	2	KNBG	

STATION LOCATION AND INSTRUMENTATION HISTORY									
NUMBER OF STATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, bldg 208	Navy	1950	1957	30°02'N	90°05'W	13	Mercurial	24
2.	" " " " "	"	1958	1961	29°50'N	90°01'W	5	"	24
3.	" " " bldg 1	"	1961	1970	29°49'N	"	5	"	24
4.	Removed	"	1970						
1a.	Weather service office, bldg 1	"	1960		29°50'N	"	6	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS: ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Unknown	Atop operation control tower	Selsyn	Triple	87'	1. Marine barograph 2. Auto met. station (AN/GMQ-29A) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13D) 5. Transmissometer (AN/GMQ-10C) 6. Radar (AN/FPS-106) 7. Theodolite 8. Recorder, weather data (RO-379/GMH)
2.	Installed 1958	625' northwest of the operations building	AN/UMQ-5	RD-108B	Unknown	
3.	1960	500' southeast of runway 04-22	"	"	14'	

NWSD, Federal Building
 Asheville, N. C.

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

[illegible]

MONTH

NAVWEASERVCOM

STATION

STATION NAME

YEARS

MONTH

NAVWEASERVCOM

WEATHER CONDITIONS

NORTH

[illegible]

NAVWEASERVCOM

WEATHER CONDITIONS

[illegible]

NAVWEASERVCOM

YEARS

STATION

STATION NAME

YEARS

MONTH

NAVWEASERVCOM

400

MONTH

NAVWEASERVCOM

40

MONTH

NAVWEASERVCOM

4

STATION NAME

YEARS

MONTH

N/ EASERVCOM

MONTH

NAVWEASERVCOM

40

STATION NAME

YEARS

MONTANA

NAVWEASERVCOM

MONTH

NAVWEASERVCOM

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
			1.0		.		1.0	1.0	1.0				1.0
		1.0	.		.		.	1.0	1.0		.	1.0	1.0
		.	.				1.0	1.0	1.0		.	1.0	1.0
		.	.				.1	1.0	1.0		.	1.0	1.0
		.	.				.	1.0	1.0		.	1.0	1.0
		.	.				1.0	1.0	1.0		.	1.0	1.0
		.	.				.1	1.0	1.0		.	1.0	1.0
		.	1.0				.	1.0	1.0		.	1.0	1.0
		.	1.0				.7	1.0	1.0		.	1.0	1.0
		.	1.0				1.0	1.0	1.0		.	1.0	1.0
		.	1.0				1.0	1.0	1.0		.	1.0	1.0
		.	1.0				1.0	1.0	1.0		.	1.0	1.0
		.	1.0				1.0	1.0	1.0		.	1.0	1.0
		.	1.0				1.0	1.0	1.0		.	1.0	1.0
TOTALS		.1	.1		.		1.0	1.0	1.0		.1	1.0	1.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 1 NEW ORLEANS, LA STATION NAME YEAR JANUARY 1973-DECEMBER 1982 MONTH JANUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLIZZARD	WIND AND TEMP.	WIND AND TEMP.
N	4.0	2.7	4.2						9.1	1.1	9.5			77.2
NNE	0.1	3.1	6.9					1.0	11.3	3.1	13.2			66.1
NE	0.6	7.7	3.7						14.0	3.7	6.9			50.7
ENE	0.4	1.5	0.0						1.8	0.0	14.1			48.6
E	0.0	1.9	6.9						28.8	1.9	12.5			57.5
ESE	0.0	0.0	2.4						23.6	1.6	11.5			63.5
SE	0.0	6.9	0.0						33.9	2.6	7.8			47.0
SSE	0.0	3.3	1.3					1.0	25.3	4.0	12.7			50.0
S	7.0	2.1	1.4					0.7	41.5	2.1	13.3			57.0
SSW	1.2	7.3						3.3	23.2	1.2	11.0			55.0
SW	0.0	2.1						1.1	21.3		6.5			63.0
WSW	0.0	4.4							1.1		11.1			77.3
W	3.0	1.9							1.4	1.9	5.8			75.0
WNW	0.0	0.0	1.7						17.5	1.6	11.1			71.0
NW	0.1	1.1	1.1						10.1	1.1	3.4			74.3
NNW	0.0	3.6	1.8						17.0		7.5			73.1
VARIABLE														
CALM			1.3						14.4	5.9	4.6			74.4
TOTAL	1.2	62	56					17	409	62	217			14.8
% TOTAL	5.7	26.8	2.5					0.4	17.3	2.7	9.7			66.7

TOTAL NUMBER OF OBSERVATIONS 1,322

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1 STATION NAME: LAFAYETTE, LA PERIOD: JANUARY 1973 - 01 SEPTEMBER 1982

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEDING RAIN: FREEZING DRIZZLE	SLEET SHOWERS: ICE CRYSTALS	SNOW GRAINS: PELLETS SHOWERS	HAIL: SMALL HAIL	THUNDER	FOG	ICE AND GROUND FOG	SMOKE: HAZE	BLOWING SAND: DUST	OTHER WEATHER
N	0	1.3	1.2					1.0	1.1	1.3	1.0		6.7
NNE	0		0		0	0			16.6	1.3	10.5		72.0
NE	0		0.3		0			0	1.1		78.7		75.0
ENE	0	1.9	1.0					1.0	23.5	1.0	13.7		50.0
E	0	1.0	0.7		0			0.7	17.0	2.0	22.0		50.0
ESE	0	1.3						1.3	10.3	5.0	19.5		70.0
SE	0	4.3	1.1					2.2	1.0	1.1	17.4		60.0
SSE	0	1.0						1.0	1.5	2.0	13.6		60.0
S	0	0						1.0	10.9	4.0	10.3		60.0
SSW	0	2.7						1.0	17.7	4.4	0.7		60.0
SW	0	1.1						4.2	13.7		7.4		77.0
WSW	0	1.1						1.0	1.0	6.3	1.3		75.0
W	0	2.1							13.0	5.2	11.5		66.7
WNW	0	0	0.3					1.0	7.6	1.0	10.6		78.0
NW	0	1.0	1.7					0	19.0	2.6	10.7		60.0
NNW	0		0						13.0	0.7	0.7		77.0
VARIABLE													
CALM									18.7	12.5	1.0		31.0
TOTAL	111	70	20		5	1		20	353	90	313		1500
% TOTAL	0	1.7	1.1		0.2	0		1.0	15.7	4.0	13.9		66.0

TOTAL NUMBER OF OBSERVATIONS 2,255

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

PORT BLANCH, LA

JANUARY 1973-10 OCTOBER 1982

NA-04

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN/ FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FLO	ICE FLO GROUND FLO	SMALL HAZE	WINDY WIND	WINDY WIND	WINDY WIND
N	.4	4.5	1.7					2.0	7.6		3.4			41.9
NNE	2.0	4.1							1.0	1.0	8.0			74.0
NE	5.7	6.8	2.3					3.4	14.0	4.5	9.1			64.0
ENE	0.0	0.0	4.0					3.0	2.0	2.0	13.0			23.0
E	2.0	3.1	1.9					2.5	1.1	1.9	2.3			10.0
ESE	0.0	3.3	.5					1.0	15.3	2.7	24.1			20.0
SE	0.2	4.1	1.2					1.0	30.0	3.5	12.5			5.0
SSE	0.0	0.1	2.4					3.0	15.7	3.9	16.5			25.0
S	0.0	3.1	2.7					1.2	13.2	1.2	12.3			77.0
SSW	0.0	0.2	1.6					2.3	1.6	3.1	12.4			63.0
SW	0.4	1.1						1.1	11.0	4.3	3.2			56.0
WSW	0.1	1.0						0.1	13.0	1.5	1.5			49.0
W	2.0	2.4						3.7	12.2	1.2	14.6			60.0
WNW	1.0	2.7	1.4					2.7	13.7	2.7	20.5			14.0
NW	3.0	3.9	.6						0.8		10.4			30.0
NNW	1.0	2.5	.8					0.4	14.4	.3	5.1			79.0
VARIABLE														
CALM		1.2	.3						14.5	4.1	6.0			54.0
TOTAL	13	97	35					50	359	68	330			1717
TOTAL	2.0	3.9	1.4					2.0	10.1	2.7	12.1			63.0

TOTAL NUMBER OF OBSERVATIONS

2,470

NAVWEASERVCOM

[illegible]

TOTAL NUMBER OF OBSERVATIONS:

11

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

GRAND L.

JANUARY 1973-01-01 TO 1973-12-31

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	THUNDER SHOWERS CRYSTAL	THUNDER PELLETS SHOWERS	WALL DRIZZLE	THUNDER	RAIN	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
N	0	0						7.5	8.9	3.0	10.4			7.5	
NNE	0	0						0.5	1.0	3.0	15.5			67.0	
NE	0	0	1.0					3.0	3.6	3.0	16.1			16.1	
ENE	0	0	1.0					1.0	0.4	1.0	51.0			7.0	
E	0	0	1.0					3.3	0	0	12.0			14.0	
ESE	0	0	1.0					0	12.1	2.0	12.0			10.0	
SE	0	0	0					3.0	6.0	1.0	15.0			13.0	
SSE	0	0	0	0				0	8.0	0	10.0			0	
S	0	0	0	0				1.0	3.4	1.0	15.0			7.0	
SSW	0	0	0	0				3.6	0	1.0	14.0			17.0	
SW	1.0	6.0		0				0	0	0	14.0			11.0	
WSW		0		0				2.5	0	1.0	21.0			2.0	
W		0		0				0	2.2	5.0	14.0			10.0	
WNW	0	3.0	1.0	0				1.0	14.0	3.0	10.0			10.0	
NW	0	0.1		0				0.1	0.2	2.0	20.4			11.0	
NNW		0		0				0	10.0	0	20.0			5.0	
VARIABLE															
CALM	0	1.2	0	0				12.0	12.0	10.0	42.0			17.0	
TOTAL	7	0	5					0	24.0	10.0	42.0			17.0	
TOTAL	1.0	1.0	0					2.5	0	4.0	16.0			6.0	

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

STATION NAME

JANUARY 1973-DCEMBER 1982

0001

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HALE SMALL HALE	THUNDER	FOG	ICE AND GROUND FROG	SMOKE HALE	BLOWING SMOKE	BLUISH SMOKE AND HALE	HALE WEATHER
N		0.0						4.0	3.0	1.0	1.0			0.0
NNE		0.0						4.0	3.0	1.0	1.0			0.0
NE		0.0						4.0	3.0	1.0	1.0			0.0
ENE		0.0						4.0	3.0	1.0	1.0			0.0
E		0.0						4.0	3.0	1.0	1.0			0.0
ESE		0.0						4.0	3.0	1.0	1.0			0.0
SE		0.0						4.0	3.0	1.0	1.0			0.0
SSE		0.0						4.0	3.0	1.0	1.0			0.0
S		0.0						4.0	3.0	1.0	1.0			0.0
SSW		0.0						4.0	3.0	1.0	1.0			0.0
SW		0.0						4.0	3.0	1.0	1.0			0.0
WSW		0.0						4.0	3.0	1.0	1.0			0.0
W		0.0						4.0	3.0	1.0	1.0			0.0
WNW		0.0						4.0	3.0	1.0	1.0			0.0
NW		0.0						4.0	3.0	1.0	1.0			0.0
NNW		0.0						4.0	3.0	1.0	1.0			0.0
VARIABLE														
CALM														
TOTAL		4	1					7	11	9	38			197
TOTAL		2.7	0					1.2	4.6	3.5	16.1			75.3

TOTAL NUMBER OF OBSERVATIONS 2,401

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION: CLETON, LA

PERIOD: JANUARY 1973-01 DECEMBER 1982

MONTH: JULY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS OR CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE AND GROUND FRO	SMOKE HAZE	BL. WIND FL. W.	REMARKS OR OTHER
N		7.4						14.6	7.4	1.3	20.4		61.6
NNE		7.4						14.6	7.4	1.3	20.4		61.6
NE		7.4						14.6	7.4	1.3	20.4		61.6
ENE		7.4						14.6	7.4	1.3	20.4		61.6
E		5.6	1.1					4.7	2.2	1.0	18.9		68.9
ESE		5.1	1.1					9.1	2.2	1.0	8.1		79.5
SE		5.3	1.1					5.5	2.2	1.0	13.2		74.5
SSE		4.1	1.1					5.7	2.0	1.0	8.0		75.5
S	2.0	7.6	.6					7.0	.6	1.9	5.1		76.6
SSW	.1	3.6						7.0	4.9	1.4	11.3		74.6
SW	.1	7.6						5.4	3.6	1.4	1.0		74.6
WSW		7.1						4.1	1.0	2.3	20.6		6.1
W		7.1						7.1	7.7	2.4	28.1		57.7
WNW	.1	4.3						1.3	4.3	1.1	32.3		87.7
NW		5.0						4.7	5.7	1.7	28.3		54.7
NNW		2.0						5.9			20.6		55.6
VARIABLE													
CALM									10.8	1.4	15.7		74.4
TOTAL	7.7	1.1	6					14.3	14.3	9.3	43.9		117
TOTAL	1.0	4.1	.7					5.4	5.9	3.8	17.7		85.7

TOTAL NUMBER OF OBSERVATIONS 2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1

STATION NAME

DATE

TIME

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIL	THUNDER	FOG	ICE FALL ON LAND	SMOKE HAZE	BL. WIND ON WATER	BL. WIND ON LAND	WIND VELOCITY
N	0.0	7.3						7.6	7.3	3.3	7.6			57.0
NNE	0.0	0.0						4.3	5.0	3.5	7.8			57.0
NE	0.0	0.1						7.0		2.3	34.0			57.0
ENE	0.0	7.3						7.5	0.7		25.7			57.0
E	0.1	7.3						5.7	3.1		17.6			57.0
ESE	0.0	7.1						4.3	1.3	0.6	13.9			57.0
SE	0.0	0.1						10.0	1.0	0.6	11.6			57.0
SSE	0.0	7.6						4.3	1.1	1.1	0.8			57.0
S	0.1	0.0						11.0	1.6	0.9	9.3			57.0
SSW	0.0	17.1						10.0	1.2		0.0			57.0
SW	0.0	7.0						13.0	5.3		17.4			57.0
WSW	0.0	14.3						6.5	6.3		13.7			57.0
W	0.1	0.3						12.5	0.3	2.1	21.0			57.0
WNW	0.0	0.0						11.0	6.0		22.7			57.0
NW	7.0	17.2						10.0	5.3		11.1			57.0
NNW	0.0	0.7						13.3			37.7			57.0
VARIABLE														
CALM														
TOTAL		1.1						130	157	106	448			1601
% TOTAL	0.2	0.3						5.5	6.3	4.3	18.5			68.1

TOTAL NUMBER OF OBSERVATIONS

2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION: TULSA, OK DATE: 1222-5 OCT 1962 MONTH: SEPTEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREQUENT RAIN FREQUENT DRIZZLE	INTERMITTENT RAIN INTERMITTENT DRIZZLE	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS	THUNDER STORMS PELLETS SHOWERS
N	0.7	2.5						0.2	2.3	25.7			47.4
NNE	0.6	1.5						1.6	2.9	26.8			6.0
NE	0.6	4.3						2.5	1.2	31.1			45.0
ENE	1.4	0.5						1.7	4.3	1.0			50.0
E	0.6	1.8						0.0	7.4	15.1			72.7
ESE	0.1	0.4						0.0	4.3	13.7			71.0
SE	0.6	1.7						3.0	2.9	12.7			73.0
SSE	7.4	6.7						7.4	7.4	11.7			73.0
S	1.0	1.4						7.3	2.0	10.4			70.0
SSW	0.6	0.7						11.0	1.4	10.1			77.0
SW	2.0	4.0						0.1	4.5	14.3			46.7
WSW	0.6	1.5						0.1	2.9	10.2			55.0
W	0.6	1.5						0.3	6.3	7.0			40.0
WNW	0.6	5.7						0.6	8.6	20.6			45.0
NW	0.6	4.3						4.3	17.3	27.7			41.7
NNW	3.0	0.3						1.0	3.5	31.0			43.0
VARIABLE													
CALM													
TOTAL		1.4						7.0	20.1	10.0			1.43
TOTAL	0.1	4.5						2.5	0.4	4.5			70.0

TOTAL NUMBER OF OBSERVATIONS

2,412

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1. LEAF, LA. MAY 17 1973-2 DECEMBER 1982 STORF

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG FOG AND ICE	SMOKE HAZE	BLOWING SMOKE	BLIND SMOKE FOG	WEATHER
N	.4	1.7							.4	2.7	1.7			1.7
NNE	.								7.3	2.3	14.2			77.8
NE	.4	.9							11.1	.7	25.3			67.8
ENE	.	1.							7.1	1.2	20.5			67.8
E	.	2.						1.0	.4	4.0	11.1			60.5
ESE	.	1.1						1.1	.2	2.2	1.6			74.5
SE	1.8	4.7							1.0	3.7	12.5			76.5
SSE	1.8	3.7						2.5	2.7	1.4	11.4			51.4
S	1.8	11.7							.4	3.4	6.5			78.5
SSW	.	1.7						7.5	12.5	2.5	7.5			73.5
SW	.	.6						3.5	5.6	5.6	16.4			73.5
WSW	.7								1.7		21.3			73.5
W	.	3.7						1.2	.5		28.3			54.5
WNW	.7	2.3	7.3						.5		11.4			64.5
NW	.	.3							.2	4.3	3.7			74.5
NNW	.	1.	.9					.9	10.1	1.5	8.5			52.3
VARIABLE														
CALM														
TOTAL		41	2					11	24.4	135	427			1774
TOTAL	1.1	1.9	.1					.5	3.8	5.4	17.3			71.5

TOTAL NUMBER OF OBSERVATIONS

2,444

NAVWEASERVCOM

1

JUN 11 1973 - 2 00 PM '73 1042 N. 1017

SUBJECTS

TOTAL NUMBER OF OBSERVATIONS

2,45.

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

JANUARY 1973 - 31 DECEMBER 1992

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAUL SMALL WIND	THUNDER	WIND	DEW FALLING FALL	WIND MADE	WIND MADE	WIND MADE
N	.	2.3	.	.	.	.	.	.	11.1	.4	4.3	.	.
NNE	.	2.0	1.5	.	.	.	.	.	11.3	1.7	9.4	.	76.8
NE	.	.9	.	.	.	.	.	.	12.1	1.7	13.1	.	71.2
ENE	.	3.4	1.8	.	.	.	.	1.5	22.7	1.0	23.3	.	1.1
E	.	.	1.5	.	.	.	.	.	11.1	3.8	21.9	.	71.1
ESE	.	2.3	1.1	.	.	.	.	.	13.4	1.8	6.2	.	69.1
SE	.	.	1.5	.	.	.	.	.	10.4	2.2	15.6	.	74.1
SSE	.	4.1	.	.	.	.	.	.	16.8	2.7	9.4	.	69.1
S	.	3.0	.	.	.	.	.	.	21.3	.	7.2	.	56.1
SSW	.	1.2	.	.	.	.	.	.	12.2	2.4	7.3	.	79.1
SW	.	1.3	.	.	.	.	.	.	18.2	.	6.5	.	75.1
WSW	.	3.1	.	.	.	.	.	.	18.7	4.3	4.8	.	77.1
W	.	4.7	1.2	.	.	.	.	.	18.1	1.2	3.5	.	76.7
WNW	.	2.1	.	.	.	.	.	.	16.3	1.4	5.3	.	67.1
NW	.	2.1	1.0	.	.	.	.	.	18.1	.	11.1	.	76.5
NNW	.	4.1	1.2	.	.	.	.	.	17.8	.	5.3	.	76.7
VARIABLE	14.3	4.4	11.1	.	75.1
CALM
TOTAL	1	59	72	.	.	.	.	1	385	50	260	.	1722
% TOTAL	.	2.4	.9	.	.	.	.	.7	15.3	2.0	10.5	.	71.7

TOTAL NUMBER OF OBSERVATIONS 2,476

NAVWEASERVCOM

04321 54321

!

2,963

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

4000. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows.

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

4

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 03	04 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	•	11.0	7.0	7.4	7.0	6.0	4.0	7.0	4.0	6.0	6.0	•	•	23.0	784	4.7	9.1	•
FEB	•	•	•	6.2	7.1	4.3	7.0	•	4.1	1.0	•	•	•	11.6	766	5.1	14.4	1.0
MAR	•	11.0	•	6.2	7.0	4.0	7.0	4.0	4.0	6.0	•	•	•	20.4	770	4.0	8.1	•
APR	•	11.0	•	7.0	7.0	4.0	7.0	•	3.0	•	•	•	•	20.7	781	4.0	7.2	•
MAY	•	7.0	7.0	6.7	3.1	4.0	4.0	4.0	3.0	1.0	•	•	•	22.7	770	•	10.1	•
JUN	•	•	7.0	6.3	7.0	4.7	5.0	7.0	3.0	•	•	•	•	12.0	770	4.0	11.1	•
JUL	•	11.0	7.0	6.1	7.0	11.0	•	7.0	5.0	•	•	•	•	1.6	770	7.0	•	7.0
AUG	•	11.0	7.0	7.5	5.0	9.0	7.0	7.5	4.0	•	•	•	•	40.4	775	5.0	10.0	•
SEP	•	11.0	3.0	7.5	4.0	6.3	5.1	4.0	7.0	1.0	•	•	•	17.1	770	5.0	10.7	1.0
OCT	•	•	1.0	7.0	7.0	2.0	7.0	7.0	3.0	•	•	•	•	2.0	44	3.0	11.0	•
NOV	•	•	7.1	4.7	1.0	4.0	4.0	3.0	7.0	•	•	•	•	24.0	75	3.0	4.0	•
DEC	•	•	7.0	7.0	7.0	4.0	4.3	5.0	4.4	•	•	•	•	3.0	775	5.1	10.0	1.0
ANNUAL	•	1.0	•	•	7.0	5.7	7.2	5.0	4.3	6.7	•	•	•	32.0	69	5.0	•	•

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	NONE	TRACE	AMOUNTS (INCHES)											PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
			01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.																.
FEB	.	.																.
MAR	.	.																.
APR	.	.																.
MAY	.	.																.
JUN	.	.																.
JUL	.	.																.
AUG	.	.																.
SEP	.	.																.
OCT	.	.																.
NOV	.	.																.
DEC	.	.																.
ANNUAL	.	.																.

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	01-250	21-500	50-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-72	OVER 72					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

NAVWEASERVCOM

EXTREME VALUES

STATION NO.	STATION NAME	YEARS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

[illegible]

SMOS

EXTREME VALUES

© 1997 John Wiley & Sons, Inc.

$$S_1 \cup S_2 \cup S_3 \cup S_4$$

STATION NAME

YEARS

[illegible]

SMOS

EXTREME VALUES

16. NH_4Cl is a weak electrolyte.

YEARS

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

THE NEW YORK PUBLIC LIBRARY

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION

STATION NAME

YEARS

STATED ON LEADS THAT FULL MONTH 7

[illegible]

SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

1971
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		10/7/71			
2	0.1		10/7/71			
3	0.1		10/7/71			
4	0.1		10/7/71			
5	0.1		10/7/71			
6	0.1		10/7/71			
7	0.1		10/7/71			
8	0.1		10/7/71			
9	0.1		10/7/71			
10	0.1		10/7/71			
11	0.1		10/7/71			
12	0.1		10/7/71			
13	0.1		10/7/71			
14	0.1		10/7/71			
15	0.1		10/7/71			
16	0.1		10/7/71			
17	0.1		10/7/71			
18	0.1		10/7/71			
19	0.1		10/7/71			
20	0.1		10/7/71			
21	0.1		10/7/71			
22	0.1		10/7/71			
23	0.1		10/7/71			
24	0.1		10/7/71			
25	0.1		10/7/71			
26	0.1		10/7/71			
27	0.1		10/7/71			
28	0.1		10/7/71			
29	0.1		10/7/71			
30	0.1		10/7/71			
31	0.1		10/7/71			
Monthly	0.1		10/7/71			

1972
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1		10/7/72			
2	0.1		10/7/72			
3	0.1		10/7/72			
4	0.1		10/7/72			
5	0.1		10/7/72			
6	0.1		10/7/72			
7	0.1		10/7/72			
8	0.1		10/7/72			
9	0.1		10/7/72			
10	0.1		10/7/72			
11	0.1		10/7/72			
12	0.1		10/7/72			
13	0.1		10/7/72			
14	0.1		10/7/72			
15	0.1		10/7/72			
16	0.1		10/7/72			
17	0.1		10/7/72			
18	0.1		10/7/72			
19	0.1		10/7/72			
20	0.1		10/7/72			
21	0.1		10/7/72			
22	0.1		10/7/72			
23	0.1		10/7/72			
24	0.1		10/7/72			
25	0.1		10/7/72			
26	0.1		10/7/72			
27	0.1		10/7/72			
28	0.1		10/7/72			
29	0.1		10/7/72			
30	0.1		10/7/72			
31	0.1		10/7/72			
Monthly	0.1		10/7/72			

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION STATION NAME

1919-1953

YEARS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1919			
2	0.0	0	1919			
3	0.0	0	1919			
4	0.0	0	1919			
5	0.0	0	1919			
6	0.0	0	1919			
7	0.0	0	1919			
8	0.0	0	1919			
9	0.0	0	1919			
10	0.0	0	1919			
11	0.0	0	1919			
12	0.0	0	1919			
13	0.0	0	1919			
14	0.0	0	1919			
15	0.0	0	1919			
16	0.0	0	1919			
17	0.0	0	1919			
18	0.0	0	1919			
19	0.0	0	1919			
20	0.0	0	1919			
21	0.0	0	1919			
22	0.0	0	1919			
23	0.0	0	1919			
24	0.0	0	1919			
25	0.0	0	1919			
26	0.0	0	1919			
27	0.0	0	1919			
28	0.0	0	1919			
29	0.0	0	1919			
30	0.0	0	1919			
31	0.0	0	1919			
Monthly	0.0	0	1919			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1919			
2	0.0	0	1919			
3	0.0	0	1919			
4	0.0	0	1919			
5	0.0	0	1919			
6	0.0	0	1919			
7	0.0	0	1919			
8	0.0	0	1919			
9	0.0	0	1919			
10	0.0	0	1919			
11	0.0	0	1919			
12	0.0	0	1919			
13	0.0	0	1919			
14	0.0	0	1919			
15	0.0	0	1919			
16	0.0	0	1919			
17	0.0	0	1919			
18	0.0	0	1919			
19	0.0	0	1919			
20	0.0	0	1919			
21	0.0	0	1919			
22	0.0	0	1919			
23	0.0	0	1919			
24	0.0	0	1919			
25	0.0	0	1919			
26	0.0	0	1919			
27	0.0	0	1919			
28	0.0	0	1919			
29	0.0	0	1919			
30	0.0	0	1919			
31	0.0	0	1919			
Monthly	0.0	0	1919			

DIRNAVOCEANMET-SMOS

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		1977			
2	.		1977			
3	.		1977			
4	.		1977			
5	.		1977			
6	.		1977			
7	.11		1977			
8	.		1977			
9	.		1977			
10	.		1977			
11	.		1977			
12	.		1977			
13	.		1977			
14	.		1977			
15	.		1977			
16	.		1977			
17	.2		1977			
18	.		1977			
19	.		1977			
20	.		1977			
21	.		1977			
22	.1		1977			
23	.		1977			
24	.2		1977			
25	.		1977			
26	.		1977			
27	.		1977			
28	.		1977			
29	.		1977			
30	.		1977			
31	.		1977			
Monthly	.		1977			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		1977			
2	.		1977			
3	.		1977			
4	.1		1977			
5	.		1977			
6	.2		1977			
7	.		1977			
8	.		1977			
9	.1		1977			
10	.		1977			
11	.1		1977			
12	.1		1977			
13	.1		1977			
14	.1		1977			
15	.		1977			
16	.		1977			
17	.2		1977			
18	.		1977			
19	.1		1977			
20	.1		1977			
21	.		1977			
22	.2		1977			
23	.		1977			
24	.1		1977			
25	.1		1977			
26	.5		1977			
27	.4		1977			
28	.1		1977			
29	.2		1977			
30	.5		1977			
31	.1		1977			
Monthly	.7		1977			

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.4		1971			
2	.4	46	1971			
3	1.7	80	1971			
4	.1	27	1971			
5	.34	8	1977			
6	.19	5	1977			
7	.4	4	1977			
8	.1	25	1977			
9	.1	27	1977			
10	.1	25	1977			
11	.1	25	1977			
12	.1	25	1977			
13	.1	25	1977			
14	.1	25	1977			
15	.1	25	1977			
16	.1	25	1971			
17	.1	25	1971			
18	.1	25	1971			
19	.1	25	1971			
20	.4	104	1971			
21	.1	25	1971			
22	.1	25	1971			
23	.1	25	1971			
24	.1	25	1971			
25	.1	25	1971			
26	.1	25	1971			
27	.1	25	1971			
28	.1	25	1971			
29	.1	25	1971			
30	.1	25	1971			
31	.1	25	1971			
Monthly	.1	25	1971			

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.13	5	1971			
2	1.1		1971			
3	.1	43	1971			
4	.1	1	1971			
5	.1	23	1971			
6	1.14	2	1971			
7	.1	22	1971			
8	1.1	24	1971			
9	1.3	36	1971			
10	1.1	42	1971			
11	.1	19	1971			
12	2.2	57	1971			
13	1.3	36	1971			
14	1.1	41	1971			
15	.1	1	1971			
16	.1	54	1971			
17	2.0	13	1971			
18	1.1	33	1971			
19	.7	20	1971			
20	.1	7	1971			
21	.1	1	1971			
22	.1	27	1971			
23	.1	61	1971			
24	.1	1	1971			
25	.1	19	1971			
26	1.3	44	1971			
27	.1	17	1971			
28	.1	115	1971			
29	.1	2	1971			
30	4.2	107	1971			
31	1.1	30	1971			
Monthly	.1	155	1971			

* ALSO ON EARLIER YEARS

T TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME STATION NAME YEARS YEARS

MONTH						
DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		1977			
2	.		1977			
3	.		1977			
4	.		1977			
5	.		1977			
6	.		1977			
7	.		1977			
8	.		1977			
9	.		1977			
10	.		1977			
11	.		1977			
12	.		1977			
13	.		1977			
14	.		1977			
15	.		1977			
16	.		1977			
17	.		1977			
18	.		1977			
19	.		1977			
20	.		1977			
21	.		1977			
22	.		1977			
23	.		1977			
24	.		1977			
25	.		1977			
26	.		1977			
27	.		1977			
28	.		1977			
29	.		1977			
30	.		1977			
31	.		1977			
Monthly	.		1977			

MONTH						
DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.		1977			
2	1.1	3	1977			
3	1.7	44	1977			
4	.		1977			
5	1.1	30	1977			
6	1.1	28	1977			
7	1.7	44	1977			
8	.1	4	1977			
9	.2	1	1977			
10	1.2	31	1977			
11	.3	8	1977			
12	.7	24	1977			
13	1.2	30	1977			
14	1.	41	1977			
15	1.7	34	1977			
16	.7	14	1977			
17	.1	27	1977			
18	1.1	4	1977			
19	1.1	27	1977			
20	1.7	32	1977			
21	1.1	7	1977			
22	.6	24	1977			
23	.7	14	1977			
24	1.1	4	1977			
25	.2	2	1977			
26	.1	27	1977			
27	1.2	34	1977			
28	1.1	44	1977			
29	.1	1	1977			
30	.2	5	1977			
31	1.4	32	1977	.1	1.7	1977
Monthly	1.4	151	1977	.5	1.7	1977

* ALSO ON EARLIER YEARS
T TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

U. S. Weather Bureau
A. B. Wick, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

STANDARDIZATION

STATION NAME

YFAPS

MONTH
YEAR

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

MEAN
TOTAL OBS

SMOS

EXTREME VALUES

—
1934

[illegible]

SAFOS



4

Tide gauge
WIND GAUGEPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
STATION REPORT

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS L S Y _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	1
		CONDITION	HOURS 157

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
AT SEA

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

CONDITION _____

HOURLY - 5 T

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS U.S.T. _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

CLAS

MONTH

CLASS

HOURS 11 11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS LST _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY DEPARTMENT
OFFICE OF THE SECRETARY
WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

CONDITION _____

HOURLY _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

1964-1972

1225

NAVAL WEATHER SERVICE
NAVY DEPARTMENT
WASHINGTON, D.C. 20370PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

STATION NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NO. 100-10000-10000
 10000-10000-10000
 10000-10000-10000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

123

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	HOURLY
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT
ASHVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CORRECTION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	HOURS IN YEAR
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

FORM 42

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
ASHTABEACH, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
 WASHINGTON, D. C.
 20340-5000

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEAR _____ MONTH _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
		CLASS	NUMBER
		CONDITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

TABLE 11-1. SURFACE WINDS
 (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

NAVAL OBSERVATION
STATION REPORT
ACR 1000000PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

STATION NAME

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

2000000

000

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS LST _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT OF THE NAVY
ASPH VILLET, NO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS LST _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
 AIRCRAFT
 WIND LOG

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS OF DAY

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TO TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURE

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHTABUL, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVY WEATHER SERVICE
DETACHMENT
ASHTABUG, OH

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

E
4

NAVAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

U.S. Navy, Bureau of Oceanography
 Hydrographic Survey
 Form 10-1 (Rev. 1-55)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

STATION NAME
STATION NUMBER
STATION LOCATIONPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ DATE _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

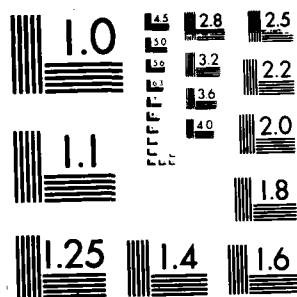
UNCLASSIFIED

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
NEW ORLEANS LOUISIANA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

F/G 4/2

NL

24



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1061-A

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L & T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE												13.	4.
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.	

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	ALL DATA		
	CLASS		HOURLY (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ NORTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
YARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOUS (L S T)
	COBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
240463/32

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L S)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4
7/28

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (L S T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4
7486 4-72

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ NORTH _____
CLASS _____
CONDITION _____
HOURS (LST) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.	1.									4.	1.8
NNE												5.	2.
NE		1.	1.									7.	2.
ENE													
E		1.										7.	2.
ESE													
SE												7.	2.
SSE			1.										
S												13.	2.
SSW													
SW			1.									13.	2.
WSW		1.										13.	2.
W												13.	2.
WNW		1.										13.	2.
NW		1.	1.									13.	2.
NNW		1.										13.	2.
VARBL													
CALM												13.	2.
	1.	4.	7.									13.	2.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

14084422

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L S Y)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7094-107

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (LST) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L S T)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CA: M													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

7054-117

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (LST)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL												.	.
CALM												.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ NORTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

7036 (4-72)

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L S T)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7000-10-12

1275

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ NORTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4
1944-4-12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS (L S T) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

E
4

FORM 44-12

1776

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS - L E T
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW	.											.	.
NW	.											.	.
NNW	.											.	.
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

7725

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L S T) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS 11 5 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.	.										.
NNE	.	.										.
NE	.	.										.
ENE
E	.	.										.
ESE
SE	.	.										.
SSE	.	.										.
S
SSW	.	.										.
SW	.	.										.
WSW	.	.										.
W	.	.										.
WNW	.	.										.
NW	.	.										.
NNW	.	.										.
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL												.	.
CALM												.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
STATION REPORT
FORM NO. 1-61PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

7048-542

727

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ NORTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE	.	.										1.	.
NE
ENE	.	1.	.									.	.
E
ESE
SE
SSE
S	.	.	1.									1.	.
SSW
SW	.	1.										.	.
WSW	.	1.										.	.
W	.	1.										.	.
WNW
NW
NNW	.	.										1.	.
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

2500-107

1275

NAVAL WEATHER SERVICE

DETACHMENT

ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURLS - L S T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS - L. S. T.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS L S T _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

FORM 517

11-73

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
N E
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB.													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

24065412

7225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEAR	MONTH
	CLASS		HOURS LST
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS U.S.T. _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ATHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

HOURS

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM
	.	.	1	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

4

NAVAL OBSERVATION
STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

NAVAL WEATHER SERVICE
DEPARTMENT
ATP-5000-10PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

1000

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS L S T
	CONDITION		

[illegible]**SMOS**

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS 1 5 T

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.
NNE	1.0	.
NE	1.0	.
ENE	1.0	.
E	1.0	.
ESE	1.0	.
SE	1.0	.
SSE	1.0	.
S	1.0	.
SSW	1.0	.
SW	1.0	.
WSW	1.0	.
W	1.0	.
WNW	1.0	.
NW	1.0	.
NNW	1.0	.
VARBL	1.0	.
CALM	1.0	.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS U.S.T.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

123

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS LL ST	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS 1 2 3 4 5 6 7 8 9 10 11 12
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHESVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS L S T _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVY AND MARINE CORPS
DEPARTMENT
ARMY, NAVY, AIR FORCE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVY AND MARINE CORPS
 AIR FORCE
 ARMY
 AIR FORCE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

WEATHER

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
31 PAYMENT ST
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS L S T _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NO. 100

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS L.S.T.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	*	*	*	*								*	*
NNE	*	*	*	*								*	*
NE	*	*	*	*								*	*
ENE	*	*	*	*								*	*
E	*	*	*	*								*	*
ESE	*	*	*	*								*	*
SE	*	*	*	*								*	*
SSE	*	*	*	*								*	*
S	*	*	*	*	*							*	*
SSW	*	*	*	*	*							*	*
SW	*	*	*	*	*							*	*
WSW	*	*	*	*	*							*	*
W	*	*	*	*	*							*	*
WNW	*	*	*	*	*							*	*
NW	*	*	*	*	*							*	*
NNW	*	*	*	*	*							*	*
VARBL												*	*
CALM												*	*

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS LL ST	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL												.	.
CALM												.	.

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____

CONDITION _____

HOURS LST _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

2550-107

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY S.Y.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS 1 2 3 4 5 6 7
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL													.
CALM													.

TOTAL NUMBER OF OBSERVATIONS _____

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS - L S T	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS



4

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS U.S.T.
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

4

NAVAL WEATHER SERVICE
DEPARTMENT OF THE NAVY
ADRIANVILLE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DEPARTMENT OF THE NAVY
NAVY DEPARTMENT

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

HOURLY

U.S.T.

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

4

NAVAL WEATHER SERVICE
 GULF OF MEXICO
 AIRCRAFT DIVISION

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

Am. J. Bot. 34: 111-112, 1947.

PART D

CEILING VERSUS VISIBILITY

DEPTH

100
80
60
40
20
0

0 1 2 3 4 5 6 7 8 9 10

VISIBILITY (STATUTE MILES)

USS LST-1166

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from monthly observations and is a percentage frequency of occurrence of sky cover and total number of observations. It is presented in two tables as follows:

1. Monthly and annual - all hours and all years combined.

2. Monthly - by standard 3-year groups.

Notes: (1) Sky cover (total cloud amount) was not reported by U.S. services until 1946, but was available, were passed for Air Force stations beginning in 1946, but was not available for Navy stations until 1948 or 1949. Weather bureau stations reported sky cover data from 1946, beginning sometime in 1945, but few stations have been available to date. (2) Primary will, of course, be limited to period of available data.

For our size sources of processed data used for this summary report, data reported in tenths were converted to tenths prior to summarizing, and not rounded up to the nearest tenth. Data that were originally reported in tenths were rounded up to the nearest tenth.

FEAS	PERCENT
0	100
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100

Notes: (1) In 1980 the cloud cover was reported, and was converted to tenths. (2) For the total sky cover, following are the conversion factors:

Clear converted to 0
 Scattered converted to 1
 Broken converted to 2
 Overcast converted to 3
 Obscured converted to 4

NATIONAL WEATHER SERVICE DETACHMENT WHEELER, ND

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DERIVATIVE ANNET 5MOS

NAVAL WEATHER SERVICE DETACHMENT KURENILE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVCEANMET 5M 05

NAVAL WEATHER SERVICE DETACHMENT ASHESVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS) NC 88 1 1

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOs

CEILING VERSUS VISIBILITY

WORTH

HOUSE 1 5 7

[illegible]

DITRAVOCEANMET SMOS

NATIONAL WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMDS

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 5005

NATIONAL WEATHER SERVICE DETROIT MI 48201

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

WIND VELOCITY

$$A_{\text{eff}} = A_{\text{ext}} + A_{\text{int}} = A_{\text{ext}} + \frac{1}{2} \frac{A_{\text{ext}}^2}{A_{\text{ext}} + A_{\text{int}}} \quad (1)$$

STATION

6747-08 NAME

TABLE 3

NONEM

47095

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

Copyright © 2004 John Wiley & Sons, Inc.

NAVAL WEATHER SERVICE FORM NO. 10-1 (10-64)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

TELNO

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY, STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

PREPARED BY

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES													
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	0
NO CEILING														
≥ 20000														
IN 18000														
IN 16000														
IN 14000														
IN 12000														
IN 10000														
IN 9000														
IN 8000														
IN 7000														
IN 6000														
IN 5000														
IN 4500														
IN 4000														
IN 3500														
IN 3000														
IN 2500														
IN 2000														
IN 1800														
IN 1600														
IN 1400														
IN 1200														
IN 1000														
IN 900														
IN 800														
IN 700														
IN 600														
IN 500														
IN 400														
IN 300														
IN 200														
IN 100														
IN 0														

TOTAL NUMBER OF OBSERVATIONS

As a result, the model is able to capture the effects of the various factors on the dependent variable.

17A - CM

STATION NAME

YEARS

444

— 2 —

[illegible]

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, AIRFIELD, E. N.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

STATION NAME

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE STATION FORM NO. 1-57

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL USE ONLY

NAVAL WEATHER SERVICE DETACHMENT, ANCHORAGE, ALASKA

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV (1)																

TOTAL NUMBER OF OBSERVATIONS

DATA IN LARGE PRINT

NAVAL WEATHER SERVICE DETACHMENT WHEELERS, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DATA LOG SHEET 5005

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT WRECK POINT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																	
≥ 20000																	
IV 18000																	
IV 16000																	
IV 14000																	
IV 12000																	
IV 10000																	
IV 9000																	
IV 8000																	
IV 7000																	
IV 6000																	
IV 5000																	
IV 4500																	
IV 4000																	
IV 3500																	
IV 3000																	
IV 2500																	
IV 2000																	
IV 1800																	
IV 1500																	
IV 1200																	
IV 1000																	
IV 900																	
IV 800																	
IV 700																	
IV 600																	
IV 500																	
IV 400																	
IV 300																	
IV 200																	
IV 100																	
IV 0																	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5M05

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

FORM NAVJCEANMET 1-57-35

NATIONAL WEATHER SERVICE DETACHMENT ABERDEEN

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET 50005

NAVAL WEATHER SERVICE FORM NO. 10-1 (10-10-60)

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS _____

NAVAL WEATHER SERVICE FORM NO. 10-1 (10-10-60)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY - STATUTE MILES -															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ½	≥ ½	≥ ½	≥ ½	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

FORM 1-1-1 (REVISED 1-1-1)

NO. 100 WEATHER DATA SHEET (FORM 100-1)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ ⅙	≥ ⅓	≥ ⅔
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1600																
≥ 1400																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

NO. OF OBSERVATIONS

STATION NAME

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CLERK

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING																
≥ 2000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1600																
1400																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

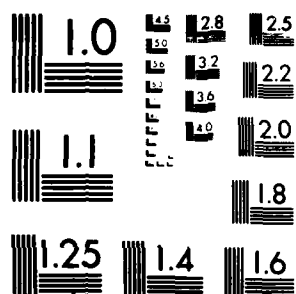
CLERK

AIR 150 379 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
 NEW ORLEANS LOUISIANA(U) NAVAL OCEANOGRAPHY COMMAND
 DETACHMENT ASHEVILLE NC SEP 84 F/G 4/2
 UNCLASSIFIED

314

F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
0																

TOTAL NUMBER OF OBSERVATIONS

747

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1950-1959 MONTH ALL
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS) HOURS ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 20000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
18000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
16000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
14000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
10000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
9000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
8000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
7000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
6000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
5000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
4500	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
4000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
3500	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
3000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2500	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
2000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
1800	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
1500	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
1200	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
1000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
900	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
800	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
700	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
600	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
500	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
400	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
300	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
200	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
100	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
≥ 6000															
≥ 5000															
≥ 4500															
≥ 4000															
≥ 3500															
≥ 3000															
≥ 2500															
≥ 2000															
≥ 1800															
≥ 1500															
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
≥ 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.E.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE 11.51

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 HOURS _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.1	0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNA VULCAN MET 5005

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 DATE _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET 5MOS

NAVAL WEATHER SERVICE (FORM 10-1)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE 1 5 1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MUS

NAVAL WEATHER SERVICE DETACHMENT WHEELER, NM

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, A. H. H. H. H. H.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

ORIGINAL CLASSIFIED

NAVAL WEATHER SERVICE DETACHMENT WHEELER, ILLINOIS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT A REVILLE, NM

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1600																
1400																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

NAVY/OCEANMET 5005

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5705

NAVAL WEATHER DETACHMENT, ALBUQUERQUE, N.M.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4300																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE 1 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE ESTABLISHMENT WAREHOUSE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MOS

NATIONAL WEATHER SERVICE DEPARTMENT OF COMMERCE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1600																
1400																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL USE ONLY

NAVAL WEATHER SERVICE DETACHMENT, APO FUELFIELD, VA

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS _____

OFFICIAL REPORT NO. 105

NATIONAL WEATHER SERVICE DETACHMENT, WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

CORRECTION SET

NAME OF STATION: _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DISPATCH CEILING - 10000

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DERIVATIVE ANNET 5705

NAVAL WEATHER SERVICE DETACHMENT WHEATFIELD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURES

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAT'L WEATHER SERVICE DETACHMENT WHEELVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0.1	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIVNAVJCEANMET SMOS

NASA WEATHER FIELD DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVUCEANMET SMOS

NAVAL WEATHER SERVICE REPORT FORM NO. 1

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, APO FUEFUE, HI

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 0505

NAVAL WEATHER SERVICE DETACHMENT, WHEATFIELD, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

U.S. NAVAL WEATHER SERVICE

NATIONAL WEATHER SERVICE METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
≥ 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

ORIGINATOR'S NAME

NAME WEATHER STATION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FIG. 1-1

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

CHINA JOURNAL

NAVAL WEATHER SERVICE METEOROLOGICAL STATION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
IV 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

GRAPHIC CEILING - 10000

NAVAL WEATHER SERVICE - OBTAINMENT FORM NO. 1-70

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE AND METHOD

STATUS

NAVAL WEATHER SERVICE DETACHMENT, KURE, PEARL HARBOR

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJOCEANMET 00000

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NATIONAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, ANSELVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVJCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅒	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DD FORM 1300 1-60

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT WHEELER, N.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS _____

DIRNAVCEANMET SMO5

NAVAL WEATHER SERVICE DETACHMENT WHEELER, NE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF OBS.

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING																	
IV 20000																	
IV 18000																	
IV 16000																	
IV 14000																	
IV 12000																	
IV 10000																	
IV 9000																	
IV 8000																	
IV 7000																	
IV 6000																	
IV 5000																	
IV 4500																	
IV 4000																	
IV 3500																	
IV 3000																	
IV 2500																	
IV 2000																	
IV 1800																	
IV 1500																	
IV 1200																	
IV 1000																	
IV 900																	
IV 800																	
IV 700																	
IV 600																	
IV 500																	
IV 400																	
IV 300																	
IV 200																	
IV 100																	
IV 0																	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SWOS

NO. 1000, WEATHER SERVICE, U.S. AIR FORCE, WASHINGTON, D.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVCEANMET 3MOS

CEILING VERSUS VISIBILITY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS) HOURS _____

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

ORNAVE CEANDET 19705

NATIONAL WEATHER SERVICE (FAA FORM 101-1) (Rev. 10-1-79)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/16
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1600															
1400															
1200															
1000															
900															
800															
750															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

FORM 101-1 (Rev. 10-1-79)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

APPROX. CEILING - 10000

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

UNPAID CLAMNET

NAVAL WEATHER SERVICE DETACHMENT AGNES CREEK

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DATE WHEN AMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ALEXANDRIA, EGYPT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DEPARTMENT WASHINGTON, D. C. 20374

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS L & T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, WHEATVILLE, N.C.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE REPORT FORM 10-1

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANMET SMOS

NAVAL WEATHER SERVICE FAIRPORT WHEELING

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. BY HOUR

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DE NAVALCEANMET 5705

NAVAL WEATHER SERVICE FORM NO. 1-61

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/32
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRECTION OF WIND

STATUS

NAVY WEATHER SERVICE DETACHMENT WHEELER, ARIZ.

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

GROUP

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1600																
IV 1400																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

WHEELER, ARIZ.

NAME OF STATION

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0
NO CEILING														
≥ 20000														
IV 18000														
IV 16000														
≥ 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

NAME OF STATION

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DATE OF REPORT

NATIONAL WEATHER SERVICE - METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE

SKY COVER

SPATIAL

STATION NAME

PAGE 22

MONTE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

SKY COVER

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

SKY COVER

STATION

STATION NAME

PERIOD

BUTHE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

5107-25

STAT OR NAME

PER 02

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

MONTH

[illegible]

2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

SKY COVER

STALON

STATION NAME

PL 96-353

MCAT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

4

SKY COVER

■ ■ ■

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERV.COM

SKY COVER

• • • • •

STAT_QW_NAME

RESULTS

■ ■ ■

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

• • •

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

Journal of Management Education 30(6)

SKY COVER

542

STAT_LEN NAME

2

• • •

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

NAVFLASER.COM

A1) A150 379

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
NEW ORLEANS LOUISIANA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

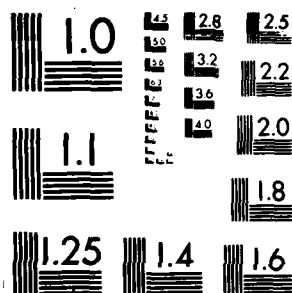
414

UNCLASSIFIED

F/G 4/2

NI

END
DATE
FILED
8 - 85
D11



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

4

142419

DAILY TEMPERATURES

STATION 1 STATION NAME CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS) YEARS

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
11							1.3	.3					
12						.3	14.3	4.2	3.1				
13				.3	1.1	43.5	54.6	57.8	22.2	2.5			1.2
14				.3	47.7	95.9	91.2	92.3	71.7	82.1		.1	3.7
15		2.4	1.1	4.5	22.7	98.9	99.3	98.2	82.1	53.7	15.6	4.3	5.2
16	1.1	16.4	35.5	74.4	94.5	99.9	100.0	100.0	88.7	76.9	41.7	17.3	64.7
17		31.0	54.7	8.3	9.6	100.0			9.7	92.6	61.6	34.5	7.1
18		47.2	75.9	96.9	99.7				9.0	97.7	74.7	52.9	51.1
19		62.7	87.7	100.0	100.0				100.0	9.7	87.5	69.7	85.8
20		77.5	95.1							100.0	35.1	81.9	91.3
21		8.5	29.1								8.1	22.1	31.7
22			19.7								9.7	27.5	40.1
23			29.4	10.0							100.0	9.3	31.4
24			10.0									9.3	31.4
25												9.3	31.4
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													

NAVWEASERVCOM

4

DAILY TEMPERATURES

1	C. L. S. L.	5 - 10											
STATION	STATION NAME	YEARS											
CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)													IN
TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1						1.	1.7	1.5	.7				.7
2					7.5	17.5	35.2	36.3	20.5	2.2			7.2
3		.1	2.	11.5	26.5	74.3	94.1	92.6	6.6	17.1	2.1	1.7	7.4
4	1.	3.1	11.7	31.3	63.5	95.3	99.6	99.5	26.8	70.5	1.7	.9	4.7
5	.7	8.7	23.7	51.6	84.4	99.3	100.0	100.0	45.3	81.5	21.7	11.4	5.2
6	7.7	15.6	39.9	70.	95.	99.9			8.6	64.4	34.7	21.7	67.7
7	27.5	55.6	85.1	96.3	99.7	100.0			19.7	87.7	52.7	35.7	71.7
8	7.9	45.8	72.4	96.3	100.0				30.6	86.3	60.7	48.3	8.7
9	10.5	62.9	98.6	99.3						92.9	94.3	64.1	87.7
10	70.7	91.9	96.5	100.0						100.0	9.7	7.3	97.9
11	9.5	95.2	99.2								9.7	93.3	97.9
12	6.7	99.6	99.9								17.7	9.	90.7
13	7.	100.0	100.0									9.9	99.9
14	9.7											70.	100.0
15	10.7												100.0
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN		44.1	41.0	40.7	44.0	71.0	70.7	73.4	70.8	50.2	50.2	47.0	57.9
S.D.	1.114	.875	1.910	1.370	5.715	3.787	2.677	2.422	1.274	8.344	10.303	11.13	14.116
TOTAL OBS.	74	77	77	77	77	77	77	77	74	77	77	77	77

NAVWEASERVCOM

DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 1968-1983

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	EXTREME	EXTREME	EXTREME		AVERAGE	EXTREME	EXTREME	EXTREME	
			°F	°C	°F	°C		°F	°C	°F	°C	
1	1.2	1.7	49.2	15.1	75	26.7	1966	43.2	6.3	23	-5.0	1964
2	1.1	1.6	49.2	15.6	75	26.6	1965	42.2	5.7	23	-5.0	1970
3	1.1	1.6	49.2	16.7	75	26.6	1982	43.7	6.3	24	-4.4	1970
4	1.1	9.5	49.8	14.9	75	26.6	1972	39.5	4.2	23	-2.3	197
5	1.1	10.4	49.8	15.2	75	23.3	1962	42.1	6.6	23	-3.8	1969
6	1.1	11.7	43.2	17.3	70	26.1	1978	43.0	6.1	23	-5.0	1966
7	1.1	11.2	41.4	16.3	81	27.7	1982	42.0	6.1	23	-5.0	197
8	1.1	9.9	42.5	14.7	70	26.1	1975	41.1	5.2	23	-6.7	197
9	1.1	10.4	40.7	15.2	70	26.1	1972	40.6	4.6	23	-5.0	1970
10	1.1	9.2	47.0	14.4	80	26.7	1974	39.0	4.0	16	-8.9	1970
11	1.1	9.4	47.7	14.3	77	25.7	1980	40.1	4.5	14	-10.0	1962
12	1.1	9.2	45.0	14.4	75	25.6	1967	39.0	3.7	13	-7.8	1960
13	1.1	10.0	45.5	14.7	81	27.4	1972	41.6	5.3	13	-7.8	1961
14	1.1	10.0	45.8	14.7	70	26.1	1971	41.1	5.1	23	-3.8	197
15	1.1	9.7	49.4	15.2	76	24.4	1974	39.4	4.1	24	-4.4	1969
16	1.1	9.4	40.2	15.1	70	26.6	1974	38.6	3.7	20	-3.3	1970
17	1.1	9.7	40.9	14.3	77	25.7	1974	39.9	4.4	22	-5.6	1977
18	1.1	1.9	41.3	16.3	77	25.0	1974	42.2	5.7	23	-3.3	1977
19	1.1	11.4	5.0	16.1	7	25.6	1972	44.2	6.6	21	-6.1	1977
20	1.1	10.6	49.4	15.2	70	25.6	1982	42.7	5.9	22	-3.6	1977
21	1.1	10.3	45.6	15.3	70	26.1	1982	41.1	5.3	23	-3.2	196
22	1.1	11.6	42.1	16.7	76	24.4	1982	43.5	6.4	23	-3.3	1961
23	1.1	12.7	44.3	17.0	81	27.2	1972	45.4	7.4	23	-5.0	1973
24	1.1	11.6	41.0	16.6	75	25.6	1974	43.7	6.5	15	-5.4	1973
25	1.1	13.1	43.4	17.4	7	25.6	1971	44.2	6.2	23	-5.0	1963
26	1.1	12.9	44.4	18.7	77	25.0	1967	46.0	7.8	34	1.1	1962
27	1.1	11.9	41.0	16.4	70	25.1	1972	44.8	7.1	25	-3.3	1966
28	1.1	11.5	42.5	16.9	70	25.1	1974	44.0	6.7	23	-1.7	1974
29	1.1	12.0	43.2	17.7	70	25.1	1975	43.4	6.3	24	-4.4	1965
30	1.1	12.3	43.0	17.7	8	25.7	1971	44.0	7.0	15	-7.2	1966
31	1.1	12.1	42.8	17.1	70	25.1	1975	44.5	6.9	22	-1.7	1966
Monthly	1.1	10.6	40.5	16.0	81	27.7	1982	42.3	5.7	14	-10.0	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 100001, 14 1953-1983 FEBRUARY

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	5.3	12.9	53.9	17.7	81	27.2	1975	46.7	8.2	27	-2.6	1971
2	7.3	11.9	51.3	16.3	82	27.8	1975	45.3	7.3	26	-1.1	1971
3	9.3	10.2	50.7	15.7	79	26.1	1975	41.6	5.3	27	-2.6	1971
4	11.3	9.6	49.1	15.1	77	25.6	1971	39.3	4.1	21	-1.1	1971
5	13.3	11.3	42.4	16.7	75	25.6	1975	42.2	5.7	29	-1.7	1976
6	15.3	11.6	41.8	16.6	72	25.6	1974	43.3	6.6	21	-1.1	1973
7	17.3	10.0	40.0	15.7	75	23.9	1973	41.6	5.0	21	-0.6	1977
8	19.3	9.9	38.0	15.6	77	25.0	1969	39.5	4.2	27	-2.6	1968
9	21.3	12.6	36.4	16.3	77	25.0	1965	41.6	5.3	27	-2.6	1971
10	23.3	11.2	32.4	16.9	70	26.1	1960	41.6	5.5	24	-3.9	1972
11	25.3	12.0	34.5	18.1	70	26.1	1975	42.2	6.0	27	-2.6	1977
12	27.3	12.9	31.2	16.2	75	23.9	1962	42.0	6.6	28	-3.9	1951
13	29.3	11.3	31.9	16.6	81	27.2	1959	42.7	5.9	20	-6.7	1958
14	31.3	11.9	33.4	17.7	8	26.7	1959	43.1	6.2	23	-2.2	1971
15	33.3	13.1	35.5	18.7	76	24.4	1959	47.7	8.3	23	.6	1975
16	35.3	12.7	32.5	16.9	77	25.6	1975	47.3	8.5	21	-0.6	1958
17	37.3	12.2	32.2	16.8	80	26.7	1982	45.4	7.7	2	-1.1	1958
18	39.3	13.1	34.7	18.3	42	27.8	1976	46.2	7.9	29	-1.7	1958
19	41.3	12.4	33.7	17.6	82	27.8	1976	45.1	7.3	21	-0.6	1958
20	43.3	12.9	34.9	18.3	87	26.7	1981	45.3	7.4	24	-2.2	1976
21	45.3	13.9	36.2	19.7	75	25.6	1980	47.9	8.8	23	.6	1978
22	47.3	12.7	33.3	17.4	8	26.7	1975	46.2	7.9	24	-4.4	1976
23	49.3	13.1	35.7	18.7	70	26.1	1982	45.3	7.4	2	-1.1	1974
24	51.3	12.9	35.9	18.8	97	26.7	1972	44.6	7.7	29	-1.7	1968
25	53.3	12.3	34.4	16.9	81	27.2	1972	44.7	6.7	21	-2.2	1968
26	55.3	12.4	34.3	17.9	84	28.9	1972	44.2	6.8	29	-1.7	1974
27	57.3	12.9	35.6	18.7	81	27.2	1972	44.6	7.0	27	-2.8	1974
28	59.3	14.4	39.7	20.4	80	26.7	1972	48.3	9.1	25	1.7	1977
29	61.3	14.7	37.2	19.6	75	25.6	1972	47.3	8.5	34	1.1	1968
30												
31												
Monthly	3.7	12.1	33.2	17.3	84	26.9	1972	44.1	6.7	20	-6.7	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 51

STATION NAME

1951-1993

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				DATE	
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	44.7	14.1	66.6	19.2	80	26.7	1976	43.1	6.9	27	-5.5	1971
2	44.7	14.1	66.6	19.2	83	28.7	1976	42.3	6.6	27	-5.5	1971
3	44.7	14.7	67.1	19.5	81	27.2	1976	49.6	9.8	23	-5.5	1971
4	44.7	14.4	67.4	19.7	81	27.2	1976	50.3	10.2	21	-5.6	1971
5	44.7	14.6	66.5	19.5	84	28.9	1976	49.9	9.9	23	-1.7	1971
6	44.7	13.7	66.5	19.7	83	27.8	1974	46.7	8.3	23	-1.1	1971
7	44.7	14.5	66.3	19.1	82	27.8	1983	49.9	9.9	23	1.7	1971
8	44.7	14.4	67.5	19.9	82	27.8	198	46.3	8.7	24	-1.7	1971
9	44.7	14.5	66.8	20.4	80	26.7	1983	47.3	8.6	24	1.1	1971
10	44.7	16.1	76.4	21.3	84	28.9	1937	51.5	11.8	23	.6	1971
11	44.7	16.7	71.2	21.7	82	27.8	1974	53.3	11.7	25	1.7	1968
12	44.7	16.7	71.8	21.6	85	29.4	1974	54.7	13.2	25	.6	1971
13	44.7	16.2	70.5	21.4	83	28.3	1982	51.5	13.9	21	-5.6	1971
14	44.7	16.4	71.5	21.9	85	29.4	1973	51.3	11.8	23	.6	1971
15	44.7	17.1	71.7	22.1	84	28.9	1967	53.3	11.9	25	1.3	1971
16	44.7	16.3	71.1	21.7	83	28.3	1982	51.1	11.7	25	1.7	1971
17	44.7	15.9	70.7	21.5	83	28.3	1982	50.7	11.4	26	2.2	1971
18	44.7	16.6	72.5	22.5	86	30.0	1982*	51.2	11.7	25	4.4	1971
19	44.7	17.1	72.4	22.4	83	28.3	1982*	53.2	11.8	25	3.7	1971
20	44.7	17.1	72.4	22.4	84	28.9	1982	53.2	11.8	25	.6	1971
21	44.7	15.8	71.7	21.5	83	28.3	1982*	50.3	10.2	25	1.7	1971
22	44.7	14.5	64.7	20.4	83	28.3	1976	48.8	9.3	23	.6	1971
23	44.7	15.7	70.7	21.5	81	26.7	1975*	50.0	10.0	21	-5.6	1971
24	44.7	15.9	70.8	21.6	86	30.0	1975	50.6	10.3	23	-1.1	1971
25	44.7	16.2	71.5	21.4	82	27.8	1982	51.3	11.1	23	.6	1971
26	44.7	15.3	65.5	20.1	80	26.7	1976*	51.1	11.6	27	2.5	1971
27	44.7	15.7	70.1	21.2	81	27.2	1972	50.3	10.2	25	2.2	1971
28	44.7	17.8	72.7	22.6	83	28.3	1972	55.2	13.9	40	4.4	1971
29	44.7	18.2	74.4	23.6	84	28.9	1976	57.4	14.1	43	6.1	1971
30	44.7	18.6	71.5	23.3	86	30.0	1981	57.1	13.9	29	3.9	1971
31	44.7	17.7	74.4	23.6	87	30.6	1978	53.3	11.8	26	2.2	1971
Monthly	44.7	15.9	71.5	21.2	87	30.6	1971	51.3	10.7	23	-5.6	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1958

ASHEVILLE, NC

1958-1981

ASHEVILLE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	55.5	13.1	75.4	24.1	82	27.8	1973*		55.5	13.1	41	5.0	1972	
2	55.5	13.1	75.3	24.1	83	28.3	1977*		55.5	13.1	4	4.4	1971	
3	56.7	13.8	75.6	24.2	84	28.9	1980*		56.7	13.8	77	2.2	1971	
4	56.7	13.8	74.4	23.6	84	28.9	1967		56.7	13.8	47	6.1	1978	
5	56.4	13.6	74.7	23.3	82	27.8	1967*		56.4	13.6	47	6.6	1973	
6	57.7	14.3	74.4	23.6	81	27.2	1979*		57.7	14.3	46	4.4	1977	
7	56.1	13.4	75.2	24.0	81	27.4	1978		56.1	13.4	7	1.3	1977	
8	57.7	14.3	77.2	25.1	86	29.4	1976*		57.7	14.3	7	2.2	1971	
9	56.1	13.4	75.5	24.2	84	28.9	1961		56.1	13.4	79	7.9	1971	
10	56.7	13.8	74.7	23.7	86	30.0	1963		56.7	13.8	42	5.6	1978	
11	56.7	13.8	76.8	24.9	86	30.0	1963		56.7	13.8	77	2.2	1978	
12	57.7	14.3	77.0	25.0	87	30.6	1976		57.7	14.3	42	5.6	1971	
13	57.7	14.3	77.5	25.3	87	29.4	1965		57.7	14.3	42	5.6	1971	
14	57.7	14.3	77.4	25.2	86	30.0	1978		57.7	14.3	42	5.6	1971	
15	57.7	14.3	77.8	25.4	87	30.6	1981		57.7	14.3	42	5.6	1971	
16	57.7	14.3	77.2	25.1	87	30.6	1972		57.7	14.3	42	5.6	1971	
17	57.7	14.3	76.5	25.3	88	31.1	1977		57.7	14.3	41	5.0	1971	
18	57.7	14.3	76.9	26.1	85	29.4	1961*		57.7	14.3	41	5.0	1971	
19	57.7	14.3	76.3	26.3	85	29.4	1981		57.7	14.3	44	6.7	1971	
20	57.7	14.3	76.1	26.2	87	30.6	1981		57.7	14.3	44	6.9	1971	
21	57.7	14.3	79.4	26.3	88	31.1	1981		57.7	14.3	47	6.3	1971	
22	57.7	14.3	78.4	26.6	88	31.1	1970		57.7	14.3	41	5.0	1971	
23	57.7	14.3	78.9	26.6	86	30.0	1976*		57.7	14.3	4	4.4	1971	
24	57.7	14.3	79.8	26.6	87	30.6	1958		57.7	14.3	47	6.3	1971	
25	57.7	14.3	78.6	27.0	86	30.0	1975		57.7	14.3	48	7.7	1971	
26	57.7	14.3	78.3	27.1	86	30.0	1971*		57.7	14.3	48	7.6	1971	
27	57.7	14.3	78.7	26.6	86	30.0	1964		57.7	14.3	43	5.9	1977	
28	57.7	14.3	78.1	27.3	88	31.1	1981		57.7	14.3	47	6.3	1971	
29	57.7	14.3	78.0	27.2	88	31.1	1977		57.7	14.3	49	9.4	1971	
30	57.7	14.3	78.0	27.2	92	33.3	1981		57.7	14.3	45	7.2	1971	
31	57.7	14.3	77.7	25.4	92	33.3	1981		57.7	14.3	45	7.2	1971	
Monthly	57.7	14.3	77.7	25.4	92	33.3	1981		57.7	14.3	45	7.2	1971	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE	EXTREME	°F	°C		AVERAGE	EXTREME	°F	°C	
1	67.7	19.8	67.7	27.1	97	35.5	1977	67.7	19.8	47	8.3	1977
2	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
3	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
4	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
5	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
6	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
7	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
8	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
9	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
10	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
11	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
12	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
13	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
14	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
15	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
16	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
17	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
18	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
19	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
20	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
21	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
22	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
23	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
24	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
25	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
26	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
27	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
28	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
29	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
30	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
31	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977
Monthly	67.7	19.8	67.7	26.7	89	31.9	1977	67.7	19.8	47	8.3	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				1901
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	F	C	F	C	F	C		F	C	F	C	
1	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
2	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
3	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
4	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
5	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
6	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
7	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
8	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
9	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
10	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
11	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
12	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
13	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
14	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
15	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
16	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
17	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
18	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
19	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
20	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
21	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
22	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
23	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
24	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
25	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
26	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
27	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
28	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
29	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
30	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
31	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901
Monthly	7.0	4.4	4.4	4.4	34.4	34.4	1977	6.0	3.3	6.0	3.3	1901

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

1974-1983

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	1.0	27.7	60.0	32.3	97	36.1	1974		73.4	23.1	67	19.4	1974	
2	1.0	27.8	60.0	32.3	96	35.6	1981		73.3	22.9	67	19.4	1974	
3	1.0	27.6	60.0	31.0	97	36.1	1976		73.8	23.2	67	19.4	1974	
4	1.0	27.6	60.0	32.1	97	36.1	1979		73.5	23.1	67	19.4	1974	
5	1.0	27.6	60.0	32.0	96	35.6	1979		73.8	23.2	67	19.4	1974	
6	1.0	27.6	60.0	32.4	96	35.6	1979		73.8	23.2	67	19.4	1974	
7	1.0	27.6	60.0	32.4	96	35.6	1976		74.3	23.5	67	19.4	1974	
8	1.0	27.6	60.0	31.0	97	36.1	1982		74.2	23.4	67	19.4	1974	
9	1.0	27.6	60.0	32.0	96	35.6	1981		73.8	23.2	67	19.4	1974	
10	1.0	27.6	60.0	32.4	96	35.6	1982		73.8	23.2	67	19.4	1974	
11	1.0	27.3	60.0	31.0	96	35.6	1981		73.9	23.2	67	19.4	1974	
12	1.0	27.7	60.0	31.0	97	36.1	1981		73.8	23.2	67	19.4	1974	
13	1.0	27.6	60.0	32.3	96	35.6	1981		73.8	23.2	67	19.4	1974	
14	1.0	27.6	60.0	32.1	96	35.6	1981		73.4	23.0	67	19.4	1974	
15	1.0	27.7	60.0	32.4	96	35.6	1981		73.5	23.1	67	19.4	1974	
16	1.0	27.6	60.0	31.0	96	35.6	1981		74.1	23.4	67	19.4	1974	
17	1.0	27.7	60.0	32.1	97	36.1	1980		73.7	23.2	67	19.4	1974	
18	1.0	27.7	60.0	32.1	98	36.7	1981		73.6	23.1	67	19.4	1974	
19	1.0	27.7	60.0	32.1	99	37.2	1981		73.9	23.3	67	19.4	1974	
20	1.0	27.7	60.0	32.1	100	37.8	1981		73.7	23.2	67	19.4	1974	
21	1.0	27.7	60.0	32.7	96	35.6	1981		73.7	23.2	67	19.4	1974	
22	1.0	27.8	60.0	32.4	100	37.8	1981		73.9	23.3	67	19.4	1974	
23	1.0	27.7	60.0	32.3	96	35.6	1981		73.7	23.2	67	19.4	1974	
24	1.0	27.1	60.0	31.4	97	36.1	1974		73.1	22.4	67	19.4	1974	
25	1.0	27.1	60.0	31.5	96	35.6	1976		73.1	22.4	67	19.4	1974	
26	1.0	27.4	60.0	31.7	96	35.6	1983		73.2	22.4	67	19.4	1974	
27	1.0	27.2	60.0	31.7	97	36.1	1982		72.8	22.7	67	19.4	1974	
28	1.0	27.2	60.0	31.7	96	35.6	1982		73.0	22.8	67	19.4	1974	
29	1.0	27.6	60.0	32.1	96	35.6	1982		73.4	23.0	67	19.4	1974	
30	1.0	27.6	60.0	32.3	96	35.6	1983		73.4	23.0	67	19.4	1974	
31	1.0	27.6	60.0	32.7	96	35.6	1983		73.6	23.3	67	19.4	1974	
Monthly	1.0	27.6	60.0	32.1	100	37.8	1981		73.6	23.1	67	19.4	1974	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	F	C	F	C	F	C		F	C	F	C	
1	70.9	21.6	77.9	25.5	94	34.4	1980	73.5	23.1	63	17.2	1979
2	71.0	21.7	78.1	25.6	94	34.4	1980	73.5	23.1	61	16.1	1979
3	71.0	21.7	78.3	25.7	94	34.4	1976	73.5	23.1	61	16.1	1979
4	71.0	21.7	78.3	25.7	94	34.4	1983	73.5	23.1	63	17.2	1979
5	71.0	21.7	78.3	25.7	94	34.4	196	73.5	23.1	62	16.7	1979
6	71.0	21.7	78.3	25.7	94	34.4	1967	73.5	23.1	64	18.8	1979
7	71.0	21.7	78.3	25.7	94	34.4	1967	73.5	23.1	64	18.8	1979
8	71.0	21.7	78.3	25.7	94	34.4	198	73.5	23.1	66	19.4	1979
9	71.0	21.7	78.3	25.7	94	34.4	1987	73.5	23.1	67	19.4	1979
10	71.0	21.7	78.3	25.7	107	39.4	1980	73.5	23.1	65	18.3	1979
11	71.0	21.7	78.3	25.7	95	35.0	1987	73.5	23.1	65	18.3	1979
12	71.0	21.7	78.3	25.7	95	35.0	1986	73.5	23.1	65	18.3	1979
13	71.0	21.7	78.3	25.7	94	34.4	1995	71.4	21.7	65	18.3	1968
14	71.0	21.7	78.3	25.7	94	34.4	1987	70.3	21.2	65	18.3	1968
15	71.0	21.7	78.3	25.7	99	37.2	198	70.3	21.2	65	18.3	1968
16	71.0	21.7	78.3	25.7	97	36.1	1982	70.3	21.2	65	18.3	1968
17	71.0	21.7	78.3	25.7	94	34.4	1982	71.0	21.7	65	18.3	1968
18	71.0	21.7	78.3	25.7	94	34.4	1977	70.3	21.2	67	19.4	1968
19	71.0	21.7	78.3	25.7	90	32.2	1980	70.3	21.2	67	19.4	1968
20	71.0	21.7	78.3	25.7	90	32.2	1980	70.3	21.2	69	20.5	1968
21	71.0	21.7	78.3	25.7	95	35.0	1980	69.6	20.9	65	18.3	1968
22	71.0	21.7	78.3	25.7	94	34.4	1981	67.4	19.7	64	18.3	1968
23	71.0	21.7	78.3	25.7	97	36.1	1980	67.3	19.6	64	18.3	1968
24	71.0	21.7	78.3	25.7	97	36.1	198	67.8	19.9	61	17.3	1962
25	71.0	21.7	78.3	25.7	94	34.4	1987	68.3	20.2	67	19.4	1979
26	71.0	21.7	78.3	25.7	90	32.2	1977	69.2	20.7	63	17.7	1979
27	71.0	21.7	78.3	25.7	97	36.1	1977	68.9	20.5	63	17.7	1979
28	71.0	21.7	78.3	25.7	95	35.0	1977	67.0	19.4	63	17.7	1979
29	71.0	21.7	78.3	25.7	90	32.2	1977	65.3	18.8	64	18.3	1967
30	71.0	21.7	78.3	25.7	97	36.1	1977	64.5	18.7	66	19.4	1967
31												
Monthly	71.0	21.7	78.3	25.7	107	39.4	1980	70.6	21.4	66	19.4	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME	DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C
1	23.1	3.4	28.4	9.2	33.3	1.9	1977		17.7	4.4	12.2	1977
2	23.2	3.7	28.7	9.2	33.3	1.9	1977		17.7	4.4	12.2	1977
3	22.6	2.4	28.8	9.2	32.2	1.9	1976		17.2	4.4	12.2	1976
4	22.8	2.4	28.7	9.2	32.2	1.9	1976		17.1	4.4	12.2	1976
5	22.8	2.9	28.3	9.1	32.2	1.9	1973		17.3	4.4	12.2	1973
6	22.2	2.4	26.4	9	32.2	1.9	1973		17.6	4.4	9.4	1973
7	22.4	1.5	27.5	9.2	33.3	1.9	1962		17.4	4.4	8.3	1962
8	23.2	2.6	28.1	9.2	32.2	1.9	1962		18.2	4.4	7.2	1962
9	22.9	3.0	28.3	9.1	32.2	1.9	1962		17.4	4.4	3.9	1962
10	22.3	2.1	27.8	9.1	32.2	1.9	1962		16.7	4.4	4.7	1962
11	22.3	2.4	28.7	9.2	32.2	1.9	1962		16.7	4.4	7.8	1962
12	22.2	1.3	27.4	8.9	31.1	1.9	1969		17.1	4.4	3.9	1969
13	22.1	1.3	27.4	8.9	31.1	1.9	1978		16.7	4.4	6.1	1978
14	21.1	7.8	26.6	8.8	31.1	1.9	1972		15.8	4.4	7.2	1972
15	21.2	7.7	26.7	8.7	31.1	1.9	1972		15.7	4.4	7.2	1972
16	21.2	7.4	26.3	9	32.2	1.9	1972		15.1	4.4	5.7	1972
17	21.7	7.5	25.2	8.9	31.1	1.9	196		15.6	4.4	5.7	196
18	20.3	7.3	26.3	8.9	31.1	1.9	1972		14.4	4.4	5.6	1972
19	19.7	7.6	25.3	8.7	31.1	1.9	1962		14.1	4.4	7.2	1962
20	18.6	13.7	24.4	8.7	30.6	1.9	1962		13.2	4.4	4.4	1962
21	19.3	7.5	25.3	8.9	31.1	1.9	1979		13.4	4.4	5.7	1979
22	19.6	7.9	25.8	8.9	29.4	1.9	1972		13.7	4.4	5.7	1972
23	19.7	7.1	25.6	8.9	29.4	1.9	1980		13.7	4.4	7.2	1980
24	18.9	7.7	24.3	8.7	28.3	1.9	1979		13.6	4.4	6.1	1979
25	17.9	74.6	23.7	8.7	28.3	1.9	1978		12.2	4.4	5.6	1978
26	17.6	75.4	24.1	8.7	30.4	1.9	1978		11.6	4.4	4.4	1978
27	16.4	75.7	24.3	8.9	28.4	1.9	1971		12.5	4.4	4.4	1971
28	18.5	74.7	23.4	8.4	28.9	1.9	1973		12.2	4.4	6.1	1973
29	16.7	74.4	23.9	8.4	31.1	1.9	1979		13.6	4.4	3.9	1979
30	19.4	76.3	24.6	8.4	28.9	1.9	1979		14.2	4.4	5.7	1979
31	19.1	75.2	24.9	8.9	29.4	1.9	1972		14.2	4.4	5.6	1972
Monthly	21.8	74.2	24.2	9.3	33.7	1.9	1969		15.3	4.4	3.9	1969

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

4

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1
STATION

STATION NAME

1951-1981

YEARS

01 OF 80

MONTH

DAY	MEAN TEMP AVERAGE		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	°F	°C	AVERAGE °F	°C	EXTREME °F	°C		AVERAGE °F	°C	EXTREME °F	°C	
1	67.4	12.0	65.7	13.0	82	27.7	1972	42.3	5.7	26	-2.3	1971
2	67.4	13.0	67.8	19.9	82	27.8	1972	44.2	7.9	26	-1.1	1971
3	67.4	14.4	68.3	20.2	82	27.8	1972	47.4	8.6	27	-2.3	1971
4	66.4	13.0	67.8	19.9	78	25.6	1977	45.4	7.7	27	-2.2	1974
5	67.4	14.2	67.5	20.3	82	27.9	1977	46.5	8.1	29	-1.7	1974
6	68.4	14.6	68.5	20.3	81	27.7	1961	48.1	8.9	27	7.8	1962
7	68.4	13.1	64.3	17.9	80	26.7	1973	46.7	8.2	21	-0.6	1977
8	68.4	12.2	65.5	15.6	81	27.2	1978	45.4	7.2	2	-2.2	1973
9	65.4	13.2	65.5	15.3	81	27.2	1972	46.6	8.1	24	-4.4	1973
10	64.1	12.3	64.4	17.8	7	26.1	1972	46.2	7.6	20	-2.2	1973
11	64.4	13.7	66.3	19.1	74	24.1	1983	46.2	8.3	24	-4.4	1973
12	44.4	12.4	63.2	17.7	63	20.7	1971	46.2	7.2	20	-1.7	1972
13	64.4	12.4	62.5	16.2	8	26.7	1971	44.7	7.1	17	-7.4	1967
14	64.4	11.2	61.1	16.2	87	29.7	1971	45.3	7.4	27	-3.2	1967
15	44.4	12.4	63.7	17.3	82	27.8	1971	47.6	7.6	27	-2.2	1967
16	44.4	11.3	63.5	17.5	85	29.4	1971	45.4	7.2	26	-3.3	1967
17	64.4	11.1	63.1	17.3	80	26.7	1971	47.4	6.9	26	-3.7	1967
18	64.1	10.6	62.6	17.0	77	25.2	1967	49.7	4.3	27	-2.3	1972
19	44.4	12.4	65.2	18.4	71	27.2	1967	44.1	6.7	23	-5.7	1961
20	64.1	12.4	64.1	17.6	80	26.7	1978	45.1	7.8	21	-3.3	1961
21	64.4	12.1	63.6	17.4	81	27.2	1971	44.8	6.7	24	-3.3	1973
22	64.4	11.7	62.3	17.4	81	27.2	197	42.2	5.2	27	-5.6	1973
23	44.4	12.5	63.2	17.3	8	26.7	1972	45.4	7.7	26	-3.3	1967
24	64.4	11.7	61.9	15.6	87	26.7	1964	48.1	6.7	19	-3.8	1963
25	64.4	11.2	61.6	16.4	82	27.9	1964	47.5	5.5	16	-8.9	1963
26	64.1	10.6	61.2	16.2	79	26.1	1964	41.0	5.7	19	-7.7	1963
27	44.4	12.2	64.7	19.2	75	27.1	1982	43.3	6.3	26	-3.3	1977
28	64.4	12.1	63.5	17.1	82	27.8	1971	43.8	6.6	26	-3.3	197
29	65.4	13.2	64.5	18.1	80	26.7	1974	47.1	5.4	28	-2.2	1983
30	64.4	12.7	65.1	17.2	82	27.2	1971	46.5	8.1	21	-6.1	1963
31	44.4	12.4	63.1	17.3	8	26.7	1971	45.4	7.7	20	-6.7	1983
Monthly	44.4	12.4	64.3	17.9	85	29.4	1971	44.4	7.4	16	-9.4	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

<u>STATION</u>	<u>STATION NAME</u>	<u>YEARS</u>

• L. SENGES FANDEHEIN

SMOS

1987 294M-62129

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

STATION NUMBER 0170
(FROM DAILY OBSERVATIONS)

STATION NAME YEARS

WIND SPEEDS (MPH)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	21	27	29	47	49	73	70	71	71	54	72	59	
2	21	27	20	41	49	65	71	71	67	71	71	31	
3	21	27	34	41	47	63	74	71	71	41	71	71	
4	21	27	20	41	41	49	63	67	57	41	71	71	
5	14	34		43	47	61	73	71	71	41	71	15	11
6	11	71	41	47	47	63	71	71	51	44	71	24	11
7	21	71	76	41	42	63	71	71	51	71	71	71	21
8	21	71	71	45	45	71	67	61	41	71	71	71	
9	21	71	71	43	43	56	71	71	51	41	71	71	
10	21	71	41	43	45	63	72	71	41	71	71	71	
11	21	71	41	43	45	61	67	71	47	71	71	71	
12	21	71	41	43	45	61	72	71	41	71	71	71	
13	21	71	41	43	45	61	72	71	41	71	71	71	
14	21	71	41	43	45	61	72	71	41	71	71	71	
15	21	71	41	43	45	61	72	71	41	71	71	71	
16	21	71	41	43	45	61	72	71	41	71	71	71	
17	21	71	41	43	45	61	72	71	41	71	71	71	
18	21	71	41	43	45	61	72	71	41	71	71	71	
19	21	71	41	43	45	61	72	71	41	71	71	71	
20	21	71	41	43	45	61	72	71	41	71	71	71	
21	21	71	41	43	45	61	72	71	41	71	71	71	
22	21	71	41	43	45	61	72	71	41	71	71	71	
23	21	71	41	43	45	61	72	71	41	71	71	71	
24	21	71	41	43	45	61	72	71	41	71	71	71	
25	21	71	41	43	45	61	72	71	41	71	71	71	
26	21	71	41	43	45	61	72	71	41	71	71	71	
27	21	71	41	43	45	61	72	71	41	71	71	71	
28	21	71	41	43	45	61	72	71	41	71	71	71	
29	21	71	41	43	45	61	72	71	41	71	71	71	
30	21	71	41	43	45	61	72	71	41	71	71	71	
31	21	71	41	43	45	61	72	71	41	71	71	71	
32	21	71	41	43	45	61	72	71	41	71	71	71	
33	21	71	41	43	45	61	72	71	41	71	71	71	
34	21	71	41	43	45	61	72	71	41	71	71	71	
35	21	71	41	43	45	61	72	71	41	71	71	71	
36	21	71	41	43	45	61	72	71	41	71	71	71	
37	21	71	41	43	45	61	72	71	41	71	71	71	
38	21	71	41	43	45	61	72	71	41	71	71	71	
39	21	71	41	43	45	61	72	71	41	71	71	71	
40	21	71	41	43	45	61	72	71	41	71	71	71	
41	21	71	41	43	45	61	72	71	41	71	71	71	
42	21	71	41	43	45	61	72	71	41	71	71	71	
43	21	71	41	43	45	61	72	71	41	71	71	71	
44	21	71	41	43	45	61	72	71	41	71	71	71	
45	21	71	41	43	45	61	72	71	41	71	71	71	
46	21	71	41	43	45	61	72	71	41	71	71	71	
47	21	71	41	43	45	61	72	71	41	71	71	71	
48	21	71	41	43	45	61	72	71	41	71	71	71	
49	21	71	41	43	45	61	72	71	41	71	71	71	
50	21	71	41	43	45	61	72	71	41	71	71	71	
51	21	71	41	43	45	61	72	71	41	71	71	71	
52	21	71	41	43	45	61	72	71	41	71	71	71	
53	21	71	41	43	45	61	72	71	41	71	71	71	
54	21	71	41	43	45	61	72	71	41	71	71	71	
55	21	71	41	43	45	61	72	71	41	71	71	71	
56	21	71	41	43	45	61	72	71	41	71	71	71	
57	21	71	41	43	45	61	72	71	41	71	71	71	
58	21	71	41	43	45	61	72	71	41	71	71	71	
59	21	71	41	43	45	61	72	71	41	71	71	71	
60	21	71	41	43	45	61	72	71	41	71	71	71	
61	21	71	41	43	45	61	72	71	41	71	71	71	
62	21	71	41	43	45	61	72	71	41	71	71	71	
63	21	71	41	43	45	61	72	71	41	71	71	71	
64	21	71	41	43	45	61	72	71	41	71	71	71	
65	21	71	41	43	45	61	72	71	41	71	71	71	
66	21	71	41	43	45	61	72	71	41	71	71	71	
67	21	71	41	43	45	61	72	71	41	71	71	71	
68	21	71	41	43	45	61	72	71	41	71	71	71	
69	21	71	41	43	45	61	72	71	41	71	71	71	
70	21	71	41	43	45	61	72	71	41	71	71	71	
71	21	71	41	43	45	61	72	71	41	71	71	71	
72	21	71	41	43	45	61	72	71	41	71	71	71	
73	21	71	41	43	45	61	72	71	41	71	71	71	
74	21	71	41	43	45	61	72	71	41	71	71	71	
75	21	71	41	43	45	61	72	71	41	71	71	71	
76	21	71	41	43	45	61	72	71	41	71	71	71	
77	21	71	41	43	45	61	72	71	41	71	71	71	
78	21	71	41	43	45	61	72	71	41	71	71	71	
79	21	71	41	43	45	61	72	71	41	71	71	71	
80	21	71	41	43	45	61	72	71	41	71	71	71	
81	21	71	41	43	45	61	72	71	41	71	71	71	
82	21	71	41	43	45	61	72	71	41	71	71	71	
83	21	71	41	43	45	61	72	71	41	71	71	71	
84	21	71	41	43	45	61	72	71	41	71	71	71	
85	21	71	41	43	45	61	72	71	41	71	71	71	
86	21	71	41	43	45	61	72	71	41	71	71	71	
87	21	71	41	43	45	61	72	71	41	71	71	71	
88	21	71	41	43	45	61	72	71	41	71	71	71	
89	21	71	41	43	45	61	72	71	41	71	71	71	
90	21	71	41	43	45	61	72	71	41	71	71	71	
91	21	71	41	43	45	61	72	71	41	71	71	71	
92	21	71	41	43	45	61	72	71	41	71	71	71	
93	21	71	41	43	45	61	72	71	41	71	71	71	
94	21	71	41	43	45	61	72	71	41	71	71	71	
95	21	71	41	43	45	61	72	71	41	71	71	71	
96	21	71	41	43	45	61	72	71	41	71	71	71	
97	21	71	41	43	45	61	72	71	41	71	71	71	
98	21	71	41	43	45	61	72	71	41	71	71	71	
99	21	71	41	43	45	61	72	71	41	71	71	71	
100	21	71	41	43	45	61	72	71	41	71	71	71	
MEAN	21	71	41	43	45	61	72	71	41	71	71	71	22.4
S.D.	1.31	4.11	4.71	1.55	4.13	4.19	2.71	1.11	1.19	3.91	4.11	1.34	4.13
TOTAL OBS	77	74	75	75	77	75	77	77	72	77	75	77	4171

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
---------	--------------	-------

[illegible]**SMOS**

PSYCHROMETRIC SUMMARY

MONTH

HOURS : 5 "

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

NAVWEASERVCOM

NAVWEASERVCOM

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

NOTES

—

[illegible]

VWWEASERVCOM

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

[illegible]

PSYCHROMETRIC SUMMARY

NAVWEASERVCOM

100

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERVCOM

4

STATION

STATION NAME

YEARS

MONTH

MOORE 57

NAVWEASERVCOM

NAVWEASERVCOM

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MCAT:

42.85 57

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONITOR

1954, 1955, 1956

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

404

H. G. R. S. 5

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

Keywords: *Self-esteem, self-concept, self-identity, self-esteem, self-concept, self-identity*

NAVWEASER: CM

PSYCHROMETRIC SUMMARY

STAT'S NAME

• 1 •

•

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTE CARLO

HQ. ■ S S *

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

4-5-20

[illegible]

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

1. TEMPERATURES OBSERVED FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
HRS. LST.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
MEAN		1.1	10.6	19.7	27.0	31.7	35.1	37.0	36.4	34.1	33.3	34.8	35.0	31.0	
S. D.		1.24	10.50	10.76	7.60	1.23	3.30	2.42	2.51	1.12	0.93	1.04	1.11	13.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		46.7	49.0	49.0	42.0	64.7	73.6	76.4	75.7	77.0	61.0	55.6	49.0	60.0	
S. D.		1.0	11.14	11.41	8.12	5.77	3.22	2.42	2.52	0.22	0.77	1.17	12.31	13.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1.0	47.6	57.0	61.2	1.4	74.2	76.7	79.0	72.2	1.0	54.9	49.0	60.0	
S. D.		11.0	11.7	10.67	8.63	0.93	3.50	2.32	2.50	0.67	0.74	1.30	12.36	13.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1.4	57.1	67.0	71.2	7.2	74.7	75.7	85.3	81.0	72.0	67.3	54.0	71.0	
S. D.		1.14	10.56	8.38	6.50	0.73	3.43	3.67	3.65	5.42	7.10	6.42	10.19	14.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1.0	61.7	66.0	75.0	81.0	7.0	89.4	82.1	4.0	77.3	69.0	61.0	75.0	
S. D.		1.0	11.43	8.83	6.60	0.24	4.48	0.81	5.04	5.84	7.04	6.60	10.27	13.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1.1	12.2	7.0	76.7	10.7	57.7	49.1	56.3	4.0	77.6	61.1	12.3	70.4	
S. D.		1.17	10.84	8.37	6.74	0.17	4.73	6.14	6.25	0.54	6.72	7.14	7.00	12.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		2.7	12.1	6.7	72.4	7.7	44.2	4.7	85.1	5.4	7.0	62.4	54.0	71.0	
S. D.		1.13	10.77	7.61	5.18	0.24	4.25	4.67	4.45	4.37	6.67	5.98	9.47	12.4	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1.0	53.1	61.0	66.3	22.7	77.7	70.4	70.4	70.7	65.5	67.3	72.7	64.0	
S. D.		11.74	0.56	8.59	6.47	4.47	3.15	2.35	2.82	4.96	4.01	11.32	10.13	12.7	
TOTAL OBS.		27	31	31	31	31	31	31	31	31	31	31	31	31	
ALL HOURS		MEAN	1.0	54.3	67.0	66.0	75.1	8.0	81.0	75.2	65.7	61.2	54.4	65.4	
S. D.		11.73	11.11	10.27	6.92	7.57	6.44	6.42	6.36	7.79	9.79	11.42	12.02	14.33	
TOTAL OBS.		270	275	247	240	240	240	240	242	239	241	240	247	2893	

MEANS AND STANDARD DEVIATIONS

OF MONTHLY MEAN AND RMS SPEED FROM MONTHLY OBSERVATIONS

STATION		STATION NAME												YEARS											
HRS. L.S.T.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
MEAN		44.7	44.7	44.3	44.9	45.5	45.9	47.1	47.6	47.3	49.1	49.6	45.7	45.7											
S. D.		14.7	12.677	11.527	9.85	8.383	4.604	7.702	3.811	6.024	9.672	12.44	14.075	14.46											
TOTAL OBS		27	281	3	30	31	300	30	310	219	310	300	310	310											
MEAN		44.1	44.1	43.5	44.1	44.1	45.3	45.7	47.1	46.9	46.2	41.6	45.1	45.1											
S. D.		14.4	13.531	12.025	9.357	8.594	4.762	7.81	3.183	6.270	9.652	12.636	14.00	14.00											
TOTAL OBS		27	282	310	300	31	300	30	31	300	31	300	31	300											
MEAN		43.7	43.7	42.8	42.6	42.7	41.7	41.5	42.3	42.4	42.1	41.6	44.5	44.5											
S. D.		13.7	13.16	12.154	9.424	8.443	4.637	7.645	3.057	6.475	9.956	12.686	14.150	14.150											
TOTAL OBS		27	282	300	300	310	300	30	310	300	310	300	31	300											
MEAN		43.7	43.7	43.5	41.2	41.6	40.8	40.4	40.7	42.7	42.7	44.0	44.9	44.9											
S. D.		14.5	13.54	11.3	9.442	8.55	5.181	7.121	3.210	6.304	9.133	12.34	13.067	14.445											
TOTAL OBS		27	282	31	300	31	300	300	30	300	310	300	310	300											
MEAN		43.7	46.1	45.7	49.4	49.7	47.7	47.4	47.6	47.1	46.3	40.8	43.9	43.9											
S. D.		14.7	13.742	12.251	9.675	8.92	5.545	6.172	3.395	6.261	9.783	11.437	14.125	14.125											
TOTAL OBS		27	282	310	300	310	300	30	311	289	310	300	310	300											
MEAN		43.7	43.7	44.7	45.8	45.4	45.4	47.0	47.0	47.4	46.4	43.9	47.0	47.0											
S. D.		14.73	13.475	11.110	9.57	8.985	5.665	7.381	3.537	6.474	10.155	13.431	14.79	14.79											
TOTAL OBS		27	282	31	300	310	300	310	311	300	310	300	31	300											
MEAN		43.7	44.1	44.1	45.4	45.4	47.3	47.4	47.4	47.6	46.1	43.7	46.7	46.7											
S. D.		14.115	13.77	12.11	9.613	8.776	5.355	6.722	3.335	6.271	9.40	12.676	13.957	14.045											
TOTAL OBS		27	282	31	300	31	300	310	31	300	310	300	300	300											
MEAN		43.7	45.7	44.5	49.2	44.7	41.0	41.7	41.7	41.5	41.0	43.2	46.7	46.7											
S. D.		14.712	12.706	11.261	9.796	8.976	4.534	2.621	2.621	5.816	9.371	12.311	13.62	14.205											
TOTAL OBS		27	282	310	300	310	310	310	31	289	31	300	310	300											
ALL HOURS	MEAN	44.4	44.7	44.5	44.9	45.1	47.0	47.2	47.6	46.7	43.6	46.7	46.7	46.7											
	S. D.	14.17	13.753	11.352	9.416	8.665	5.144	7.214	3.426	6.293	9.776	12.525	13.925	14.544											
	TOTAL OBS	27	285	2479	247	247	2400	2475	2481	2377	2480	2400	2478	2875											

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTI

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

14

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	120.0	100.0	100.0	100.0	100.0	97.0	94.0	77.0	54.0	30.0	11.2	
FEB.	120.0	100.0	100.0	100.0	100.0	99.0	94.0	84.0	63.0	38.0	14.0	
MAR.	120.0	100.0	100.0	100.0	100.0	99.0	96.0	84.0	67.0	39.0	14.0	
APR.	120.0	100.0	100.0	100.0	100.0	99.0	97.0	81.0	62.0	39.0	14.0	
MAY	120.0	100.0	100.0	99.0	90.0	70.0	57.0	39.0	24.0	13.0	6.0	
JUN.	120.0	100.0	93.0	77.0	60.0	40.0	26.0	15.0	6.0	3.0	1.0	
JUL.	120.0	100.0	100.0	100.0	100.0	96.0	85.0	65.0	46.0	27.0	11.0	
AUG.	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
SEPT.	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
OCT.	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
NOV.	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
DEC.	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
TOTALS	1200.0	100.0	100.0	99.0	94.0	86.0	70.0	51.0	33.0	17.0	7.0	22.0

OCEANAV-SMOS

14

RELATIVE HUMIDITY

STATION NAME

PERIOD

MENTIONS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
2		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
3		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
4		100.0	100.0	100.0	99.0	97.0	97.0	96.0	95.0	94.0	93.0	93
5	1	100.0	100.0	99.0	95.0	90.0	87.0	82.0	78.0	73.0	68.0	68
6		100.0	99.0	94.0	79.0	70.0	64.0	54.0	44.0	38.0	33.0	33
7		100.0	100.0	99.0	99.0	95.0	94.0	90.0	87.0	83.0	80.0	80
8	1	100.0	100.0	100.0	100.0	100.0	99.0	97.0	90.0	87.0	78.0	78
9												
10												
11												
12												
TOTALS		9.0	100.0	99.0	94.0	87.0	76.0	62.0	47.0	37.0	30.0	200

OCEANAV-SMOS

4

STATION NAME

PLACE

MONTH

1. *Journal of the American Medical Association*, 277, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674,

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE NORTH CAROLINA

STATION

STATION NAME

PERIOD

[illegible]

OCEANAV-SMOS

4

— — — — —

STATION NAME

438

50.

[illegible]

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

2000

STATION NAME

PL 0000

■ ■ ■

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

5948

STATION NAME

2000

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

4

RELATIVE HUMIDITY

STATION NAME

PERIOD



CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

RELATIVE HUMIDITY

STATION

STATION NAME

PERICE

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

RELATIVE HUMIDITY

MCNTH

[illegible]

OCEANAV-SMOS

RELATIVE HUMIDITY

STATION

STATION NAME

PE 1105

MOUTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION: 1000000, LA YEAR: 1973-01-01-1982 MONTH: JANUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESS & SE	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% TOTAL
1-10											
11-20											
21-30											
31-40											
41-50											
51-60											
61-70											
71-80											
81-90											
91-100											
101-110											
111-120											
121-130											
131-140											
141-150											
151-160											
161-170											
171-180											
181-190											
191-200											
201-210											
211-220											
221-230											
231-240											
241-250											
251-260											
261-270											
271-280											
281-290											
291-300											
301-310											
311-320											
321-330											
331-340											
341-350											
351-360											
361-370											
371-380											
381-390											
391-400											
401-410											
411-420											
421-430											
431-440											
441-450											
451-460											
461-470											
471-480											
481-490											
491-500											
501-510											
511-520											
521-530											
531-540											
541-550											
551-560											
561-570											
571-580											
581-590											
591-600											
601-610											
611-620											
621-630											
631-640											
641-650											
651-660											
661-670											
671-680											
681-690											
691-700											
701-710											
711-720											
721-730											
731-740											
741-750											
751-760											
761-770											
771-780											
781-790											
791-800											
801-810											
811-820											
821-830											
831-840											
841-850											
851-860											
861-870											
871-880											
881-890											
891-900											
901-910											
911-920											
921-930											
931-940											
941-950											
951-960											
961-970											
971-980											
981-990											
991-1000											
TOTALS	16.2	13.2	12.5	10.7	15.1	5.8	4.4	6.8	13.7	2229	100.0

NAVWEASERVCOM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION: LANT, LA YEAR: 1973-DECEMBER 1982 MONTH: FEBRUARY

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120+											
117 TO 120											
114 TO 117											
107 TO 114											
100 TO 107											
93 TO 100											
86 TO 93											
79 TO 86											
72 TO 79											
65 TO 72											
58 TO 65											
51 TO 58											
44 TO 51											
37 TO 44											
30 TO 37											
23 TO 30											
16 TO 23											
9 TO 16											
2 TO 9											
-5 TO 2											
-12 TO -5											
-19 TO -12											
-26 TO -19											
-33 TO -26											
-40 TO -33											
-47 TO -40											
-54 TO -47											
-61 TO -54											
TOTALS	15.4	12.3	1.6	5.7	11.9	9.2	7.1	8.1	14.9	225.5	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: 11. C. LEANS, LA. DATE: 1973-01-01 TO 1980-12-31 YEAR: MONTH: DAY:

TEMP.	WIND DIRECTION									TOTAL FREQ.	% OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM		
122.1											
112.12-121											
112.12-116											
107.12-111											
102.12-106											
97.12-101											
92.12-96											
87.12-91											
82.12-86					48.2	22.1	22.6	3.2		1	1.3
77.12-81	1.1	.7	4.9	6.3	54.2	19.4	9.3	1.4	2.1	144	5.9
72.12-76	1.1	2.5	3.3	13.0	44.6	21.4	7.1	2.5	3.3	307	16.1
67.12-71	5.7	1.1	6.3	27.7	26.5	11.0	9.0	3.2	6.7	485	18.9
62.12-66	11.1	6.1	17.9	27.4	15.1	5.2	6.1	7.3	6.2	411	16.4
57.12-61	17.8	15.5	14.0	17.1	3.4	2.8	2.6	7.4	10.2	352	14.2
52.12-56	25.3	17.7	11.0	3.5	5.1	3.5	4.3	9.0	2.4	255	10.3
47.12-51	27.4	20.4	7.2	1.6	.6	1.2	2.4	7.2	71.1	167	6.7
42.12-46	17.0	16.1	2.5	.2	.6	1.7	2.5	16.1	39.3	118	4.8
37.12-41	1.0	6.0	2.0			2.0	2.0	12.1	58.0	61	2.5
32.12-36	76.4	7.3	9.1						7.3	11	.4
27.12-31	6.7	16.7						1.7			.1
22.12-26		10.0									.1
17.12-21											
12.12-16											
7.12-11											
2.12-6											
12.12-16											
17.12-21											
22.12-26											
27.12-31											
32.12-36											
37.12-41											
42.12-46											
47.12-51											
52.12-56											
57.12-61											
62.12-66											
67.12-71											
72.12-76											
77.12-81											
82.12-86											
87.12-91											
92.12-96											
97.12-101											
102.12-106											
107.12-111											
112.12-116											
117.12-121											
TOTALS	11.6	8.7	10.5	16.4	20.6	9.0	5.9	6.1	13.2	2479	100.0

10

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

STATION

NEW ORLEANS, LA

JANUARY 1973-DECEMBER 1982

APRIL

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120											
117 TO 120											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91					7.0	25.0	25.0		23.0	6	6.7
82 TO 86	1.1	2.0	.2	11.2	39.8	11.2	15.3	5.1	1.0	58	4.1
77 TO 81	1.0	2.7	1.0	22.1	42.5	7.7	6.6	4.1	1.4	767	13.1
72 TO 76	5.5	4.0	11.0	26.5	32.1	8.3	5.8	4.2	2.7	601	25.0
67 TO 71	9.3	4.9	15.2	25.4	14.7	4.5	5.6	4.1	12.3	467	19.3
62 TO 66	15.6	14.2	18.0	9.3	5.2	3.8	4.6	8.4	25.9	367	15.1
57 TO 61	13.1	16.1	5.7	2.2	3.5	3.9	7.4	6.5	41.3	230	9.6
52 TO 56	12.5	15.1		1.3	2.6	4.6	7.2	2.6	53.9	157	6.3
47 TO 51	6.3	11.3					4.1	1.0	77.3	97	4.0
42 TO 46	4.7	12.5					4.3	8.3	62.5	24	1.0
37 TO 41									100.0	3	.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 1											
-1 TO -4											
12 TO 14											
16 TO 18											
20 TO 22											
24 TO 26											
28 TO 30											
32 TO 34											
36 TO 38											
40 TO 42											
44 TO 46											
48 TO 50											
52 TO 54											
56 TO 58											
TOTALS	7.0	7.6	10.0	17.8	10.3	5.8	6.3	4.9	18.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION

LAKE CHARLES, LA

STATION NAME

JAN 44 1973-DECEMBER 1982

YEAR

MONTH

MAY

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	2.3	4.3	25.7	8.3	16.7		25.0		1.7	12	5.5
87 TO 91	3.7	4.6	13.4	14.2	35.1	12.7	11.2	2.2	2.2	134	5.4
82 TO 86	1.5	2.6	1.9	1.6	33.1	13.	7.6	4.7	4.7	794	15.5
77 TO 81	4.2	3.9	12.1	24.4	25.4	10.0	7.7	4.1	7.7	562	22.7
72 TO 76	4.7	5.2	11.5	26.3	16.6	8.4	5.9	3.3	12.2	594	24.1
67 TO 71	2.3	6.7	4.7	11.8	7.8	6.3	5.5	5.3	40.6	477	19.1
62 TO 66	11.2	5.4	2.9	2.	2.9	2.9	6.8	5.4	58.5	24	4.7
57 TO 61	0.4	5.1		1.2	1.2	5.5	4.7	7.1	64.7	75	3.4
52 TO 56							1.2		95.8	24	1.1
47 TO 51									100.0	7	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -8											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	6.5	5.1	4.2	17.9	18.6	8.6	6.9	6.3	22.9	248	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: 100-4332-01021 LEON, LA YEAR: JANUARY 1973-DECEMBER 1982 MONTH: JUNE

TEMP.	WIND DIRECTION								CALM	TOTAL FREQ.	OF TOTAL
	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW			
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0						
92 TO 96	5.4	5.9	12.6	17.1	14.3	17.6	23.5	4.2	5.9	114	5.7
87 TO 91	1.0	4.7	9.2	12.3	25.1	16.9	16.9	5.1	3.2	467	19.5
82 TO 86	1.3	5.	12.6	14.1	26.7	12.2	12.8	4.2	4.6	476	19.8
77 TO 81	2.4	3.	6.2	17.4	11.0	11.3	.6	1.3	20.0	547	22.8
72 TO 76	5.4	4.9	3.1	3.8	6.1	7.7	4.9	2.6	63.	610	25.4
67 TO 71	7.4	7.4	1.4	2.7	1.4	6.1	5.4	2.	46.2	147	6.2
62 TO 66	5.5	12.0					5.5		4.2	31	1.3
57 TO 61									100.0		
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
1 TO 4											
1 TO 3											
1 TO 2											
1 TO 1											
1 TO 0											
1 TO -1											
1 TO -2											
1 TO -3											
1 TO -4											
1 TO -5											
1 TO -6											
1 TO -7											
1 TO -8											
1 TO -9											
1 TO -10											
1 TO -11											
1 TO -12											
1 TO -13											
1 TO -14											
1 TO -15											
1 TO -16											
1 TO -17											
1 TO -18											
1 TO -19											
1 TO -20											
1 TO -21											
1 TO -22											
1 TO -23											
1 TO -24											
1 TO -25											
1 TO -26											
1 TO -27											
1 TO -28											
1 TO -29											
1 TO -30											
TOTALS	4.7	5.3	7.7	10.4	17.3	11.5	10.6	3.1	29.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: NAVWEASERVCOM YEAR: 1973-DECEMBER 1982 MONTH: JULY

WIND DIRECTION											
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120											
110 TO 120											
100 TO 110											
90 TO 100											
80 TO 90											
70 TO 80	5.0	5.0	5.0	5.0		5.0	45.0	10.0	5.0	90	5.0
60 TO 70	17.1	6.5	12.5	9.1	9.1	8.2	25.9	8.2	5.6	232	9.4
50 TO 60	5.0	5.0	9.8	11.0	14.6	13.5	15.8	13.7	5.7	434	17.7
40 TO 50	4.0	6.0	7.9	11.0	15.7	16.2	14.6	7.9	15.0	410	16.9
30 TO 40	5.0	3.4	4.3	7.7	11.4	11.5	11.6	3.2	43.0	730	29.8
20 TO 30	1.0	4.7	2.0	2.0	3.3	6.5	5.7	2.4	71.1	617	24.7
10 TO 20						5.0			54.7	17	0.8
0 TO 10											
32 TO 60											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-2 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	5.0	5.0	5.0	7.7	10.4	11.0	13.2	6.2	35.5	2420	100.0

NAVWEASERVCOM

10

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1
STATION

LA CLEANS, L

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

AUGUST

MONTH

NO. OF RECORDS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	14.7	16.7					14.7	3.3	16.7		
92 TO 96	11.9	10.0	16.5	1.7	13.5	8.8	13.5	5.9	1.0	17.7	6.2
87 TO 91	4.1	8.6	22.5	18.9	14.5	6.6	7.8	5.7	7.8	422	17.4
82 TO 86	6.7	10.4	2.6	17.3	11.8	8.8	9.0	5.1	10.9	433	17.4
77 TO 81	3.4	4.5	1.8	10.9	8.8	6.9	6.3	2.1	46.0	668	27.6
72 TO 76	1.4	4.2	2.2	3.4	3.7	3.7	2.8	1.1	77.7	725	29.4
67 TO 71	0.3	3.5				7.7	1.8		22.3	57	2.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	4.0	6.7	12.1	1.7	8.9	6.2	6.4	3.3	40.7	2482	100.0

NAVWEASERVCOM

FORM 44-12 10-72

WIND DIRECTION

[illegible]

NAVWEASEFHVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

NAVWEATHER FORM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

[illegible]

NAVWEASER/COM

4

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION: LUNenburg, VA DATE: JANUARY 1973-DECEMBER 1982 MONTH: DECEMBER

WIND DIRECTION

TEMP.	NEA & N	NNE & NE	ENE & E	ESE & SE	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
120											
121-122											
123-124											
125-126											
127-128											
129-130											
131-132											
133-134											
135-136											
137-138											
139-140											
141-142											
143-144											
145-146											
147-148											
149-150											
151-152											
153-154											
155-156											
157-158											
159-160											
161-162											
163-164											
165-166											
167-168											
169-170											
171-172											
173-174											
175-176											
177-178											
179-180											
181-182											
183-184											
185-186											
187-188											
189-190											
191-192											
193-194											
195-196											
197-198											
199-200											
TOTAL	17.7	12.7	5.8	12.7	11.7	5.5	5.2	7.0	17.6	247.5	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION

LEIN, S.

1973-DECEMBER 1962

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ENE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
122 TO 123											
123 TO 124											
124 TO 125											
125 TO 126	5.7	19.4	6.5	5.5	3.2	6.5	32.3	12.5	6.5	71	.1
126 TO 127	11.3	5.7	14.2	10.1	12.1	2.7	21.7	5.9	6.8	577	.1
127 TO 128	7.6	7.4	15.3	14.2	18.8	2.0	12.4	7.2	5.2	1765	6.1
128 TO 129	5.7	8.1	15.1	15.4	2.5	11.7	9.7	4.8	8.1	2470	8.8
129 TO 130	4.7	5.4	11.8	15.4	12.6	9.1	7.1	3.0	23.9	4266	14.7
130 TO 131	5.1	6.5	7.7	13.7	15.7	7.8	4.9	2.8	30.1	5399	18.6
131 TO 132	6.5	6.9	1.2	18.7	16.7	7.4	5.3	3.2	22.0	3367	11.6
132 TO 133	13.2	10.8	11.8	15.0	12.2	6.3	5.4	6.3	21.4	2784	9.5
133 TO 134	16.7	12.3	13.4	11.0	5.7	4.2	5.2	0.6	23.7	2211	7.6
134 TO 135	2.1	15.1	12.3	6.2	3.7	3.5	4.6	6.5	26.1	193	5.7
135 TO 136	22.7	17.6	1.1	3.4	1.4	2.0	4.3	10.3	27.2	1437	4.9
136 TO 137	15.3	15.6	8.2	2.1	1.4	1.6	3.9	1.9	20.9	1120	3.8
137 TO 138	25.7	20.5	7.0	1.5	1.0	1.5	2.5	6.5	31.8	872	3.0
138 TO 139	22.0	2.0	1.9		1.6	1.0	3.7	6.3	39.0	402	1.7
139 TO 140	2.0	25.4	1.0		.5	1.0	1.5	6.1	41.1	157	.7
140 TO 141	1.5	31.3							6.0	5	.0
141 TO 142	0.0								0.0	1	.0
142 TO 143	100.0										.0
143 TO 144											
144 TO 145											
145 TO 146											
146 TO 147											
147 TO 148											
148 TO 149											
149 TO 150											
150 TO 151											
151 TO 152											
152 TO 153											
153 TO 154											
154 TO 155											
155 TO 156											
156 TO 157											
157 TO 158											
158 TO 159											
159 TO 160											
TOTALS	11.5	9.6	11.0	12.0	12.9	7.0	6.3	5.2	24.0	28962	100.0

NAVWEASERVCOM

Norby Federal Building
Asheville, N. C.

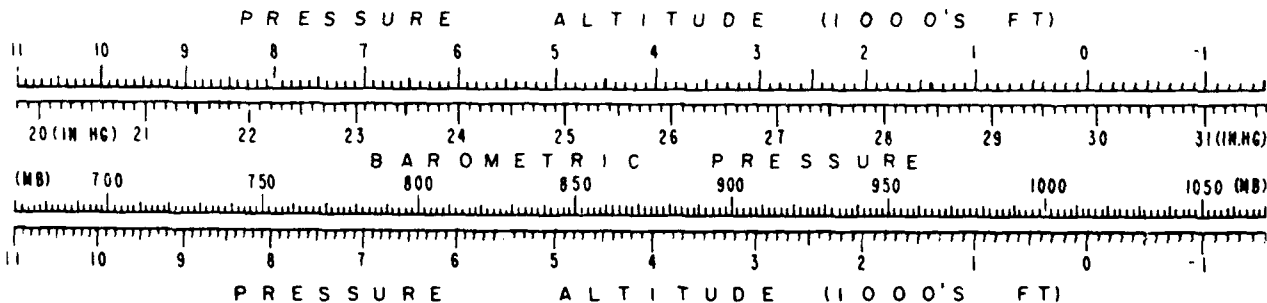
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



4

1

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES AND FROM HOURLY OBSERVATIONS

STATION		STATION NAME												YEARS	
12															
HRS. EST.		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
MEAN	.1117	.1170	.1074	.1022	.0951	.0998	.1016	.1016	.0979	.1076	.1114	.1074	.1074	.1074	
S.D.	.117	.149	.141	.142	.108	.078	.065	.055	.094	.111	.130	.173	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1121	.1177	.1067	.1007	.0932	.0978	.0999	.0999	.0961	.1049	.1093	.1074	.1074	.1074	
S.D.	.110	.112	.142	.145	.111	.077	.066	.055	.094	.113	.130	.174	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1117	.1172	.1076	.1035	.0960	.1003	.1026	.1023	.0983	.1072	.1099	.1074	.1074	.1074	
S.D.	.110	.113	.141	.140	.113	.076	.072	.061	.093	.116	.141	.176	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1107	.1133	.1067	.1063	.0987	.1027	.1054	.1050	.1014	.1080	.1047	.1075	.1074	.1074	
S.D.	.111	.112	.140	.140	.113	.077	.070	.054	.090	.114	.140	.176	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1107	.1177	.1061	.1057	.0975	.1015	.1044	.1019	.0900	.1060	.1114	.1144	.1074	.1074	
S.D.	.110	.111	.140	.140	.112	.077	.070	.054	.090	.114	.141	.177	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1107	.1107	.1098	.1009	.0934	.0979	.1004	.1000	.0954	.1033	.1067	.1074	.1074	.1074	
S.D.	.110	.110	.140	.140	.111	.077	.068	.063	.089	.113	.137	.167	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1107	.1107	.1098	.1009	.0934	.0979	.1004	.1000	.0954	.1033	.1067	.1074	.1074	.1074	
S.D.	.110	.110	.140	.140	.111	.077	.068	.063	.089	.113	.137	.167	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
MEAN	.1107	.1107	.1098	.1009	.0934	.0979	.1004	.1000	.0954	.1033	.1067	.1074	.1074	.1074	
S.D.	.110	.110	.140	.140	.111	.077	.068	.063	.089	.113	.137	.167	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	
ALL HOURS	.1117	.1170	.1074	.1022	.0951	.0998	.1016	.1016	.0979	.1076	.1114	.1074	.1074	.1074	
S.D.	.117	.149	.141	.142	.108	.078	.065	.055	.094	.111	.130	.173	.174	.174	
TOTAL OBS.	27	21	31	30	31	30	31	31	30	31	30	31	31	361	

END

DATE
FILMED

8 - 85

DTIC

